LG

CONDENSING DRYER SERVICE MANUAL

CAUTION

READ THIS MANUAL CAREFULLY TO DIAGNOSE TROUBLE CORRECTLY BEFORE OFFERING SERVICE.

MODEL : TD-C7004** Series

APR. 2004 PRINTED IN KOREA P/No.:3828EL9001A

IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

⚠ WARNING !

To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

IMPORTANT

Electrostatic Discharge (ESD)
Sensitive Electronics

ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.

- Use an anti-static wrist strap. Connect wrist strap to green ground connection point or unpainted metal in the appliance.

- OR -

Touch your finger repeatedly to a green ground connection point or unpainted metal in the appliance.

- Before removing the part from its package, touch the anti-static bag to a green ground connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging failed electronic control assembly in anti-static bag, observe above instructions.

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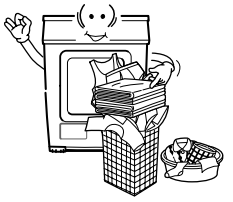
1 SPECIFICATIONS

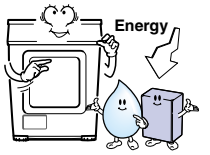
ITEMS	TD-C70040E	REMARK
MATERIAL & FINISHES		
DRYING TYPE	Condenstation	
WEIGHT	40 kg (Gross : 46 kg)	
DIMENSION	595(W) x 850(H) x 600(D)	
STANDARD DRYING CAPACITY	7.0 kg	
CONTROL TYPE	Electronic Control	
POWER SUPPLY	AC 220~230V, 50Hz (16A)	LGEUK:13A, LGEAP:10A
MOTOR	250W	
HEATER	2500W(22.5)	LGEUK:2350W, LGEAP:1900W
LAMP	15W(125mA)	
DOOR SWITCH	250V(10A)	
THERMOSTAT	240V(25A)	
CONTROL TYPE	Electronic	
DRUM CAPACITY	116 Liter	
SAFETY DEVICES	Thermal Fuse (Motor)	
	Over current protect (Motor)	
	Thermostat	
SENSING TYPE	Micom electronic Control	
	1. Temperature : 2 thermistors	
	2. Humidity : Electrode Sensor	
FILTER	Removable (Double screen)	
DRUM SPEED	56~57 rpm	
REVERSIBLE DOOR	Available	
DRUM	Stainless steel	
DRYER RACK	Available	
CHILD LOCK	Available	
TEMPERTURE CONTROL	Available (High/Low temp buttons)	Default : ON
BUZZER	Available	Dafault : OFF
ANTI-CREASE COURSE	Available	
FAVOURITE COURSE	Available	3~19 hours
TIME DELAY	Available	
DRUM INTERIOR LIGHT	Available	
LED DISPLAY	TIME DISPLAY RUNNING STATUS INDICATOR EMPTY WATER CLEAN FILTER CHILD LOCK	

2 FEATURES AND LOOK



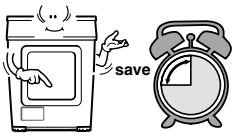
Ultra big Capacity Drum

IntelloDryer has 7.0kg capacity which is the ultra big capacity.



Lower Energy Consumption

Energy is saved by Sirocco & Radial fan.

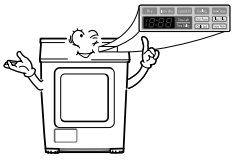


Reduced drying time

Drying time is shortened by efficient air flow mechanism and optimized heater.

Innovative noise performance

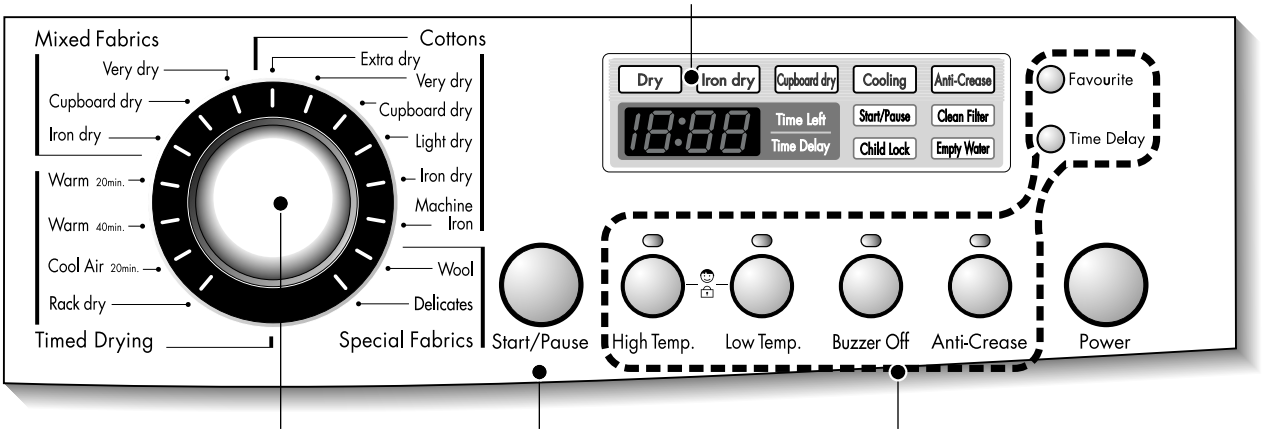
Noise gets reduced by Noise-absorption & screening technology.



Easy of Use

Wide LED display using electric control.

Control Panel



LED Display

- Time Display
- Indicator lamps

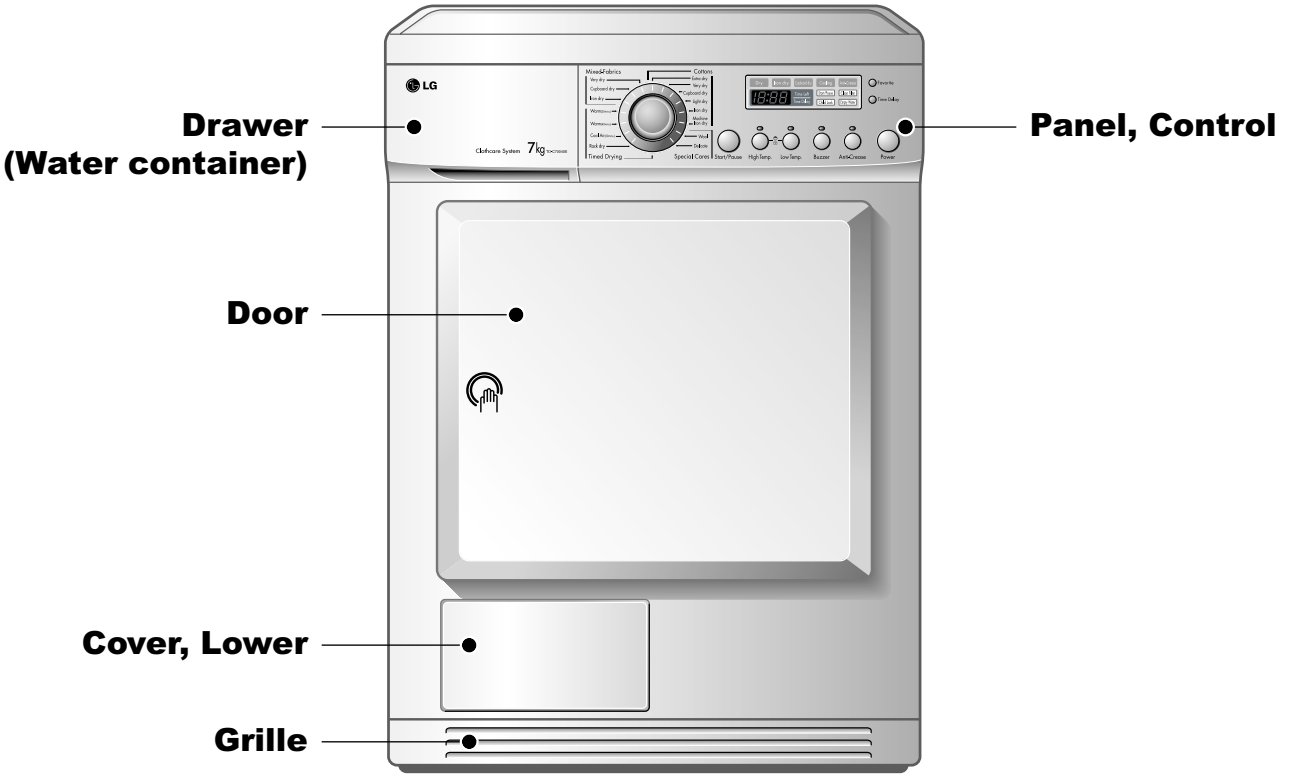
Program selector

Start/Pause

Additional function buttons

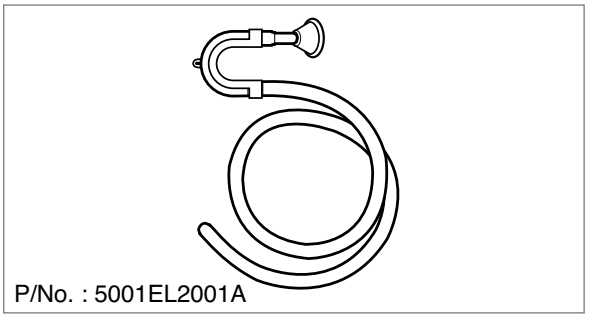
- High Temp/Low Temp
- Buzzer-Off
- Anti-Crease
- Favourite
- Time Delay

3 PART IDENTIFICATION

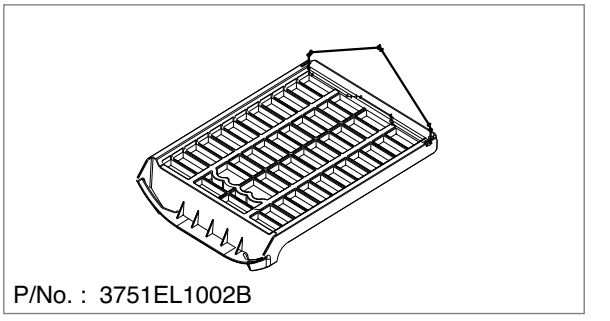


Accessories

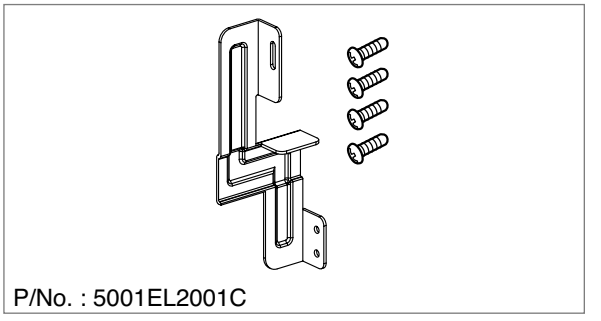
1. Drain Hose Assembly



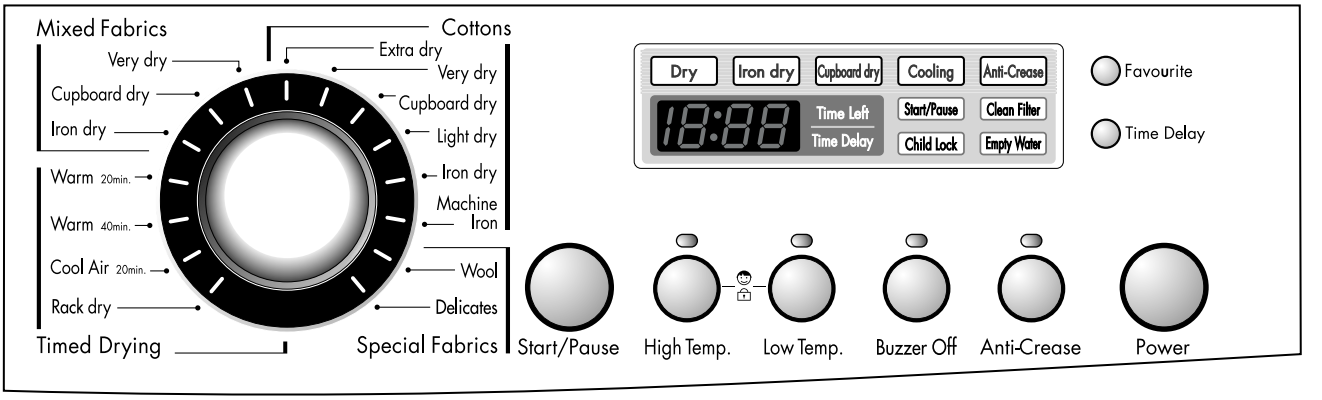
2. Dryer Rack Assembly



3. Stacking kit Assembly (Purchased Seperately)



4 PROGRAM CYCLE



High Temp. / Low Temp.

These are functioning to shorten or lengthen the cycle time by increasing or decreasing temperature.

Buzzer Off

This is about buzzer sound on/off.
After power is on and you select cycle, buzzer will sound when you press a certain button on the panel.
If you don't like to hear that sound, just press Buzzer Off button. The Buzzer is then turned -off.

Anti-Crease

Anti-Crease is functioning to prevent creases and rumples that are formed when the laundry is not unloaded promptly at the end of drying cycle. In this function, the dryer repeatedly runs and pauses to the cycle end.
If the door is open during Anti-Crease process, this function is cancelled. But in case of door open during normal operation without selecting Anti-Crease, this function will be remembered and processed.

Favourite

If there is some cycle you would like to make based on your own drying habit, use "Favourite". Once favourite cycle is stored, you can repeatedly use next time before changing the stored setting. For instance, you turn power on and select Extra Dry in Cotton Cycle and Low temp and Anti-Crease in series and then lastly press "Favourite" until the dryer beeps. It's about 3 seconds. That's all you have to do.
The next time, when turning the dryer on and pressing "Favourite" you can see the above options you select displays on the panel.

Time Delay

You can use the Time Delay function to delay the finishing time of drying cycle.
Maximum Time Delay is 19 hours.
1. Turn the dryer on
2. Select cycle
3. Set time delay hour
4. Press Start/Pause button

Child Lock

For the safety of your children, press High Temp and Low Temp buttons at the same time for about 3 seconds. You can check this function by seeing the dryer display "CL" on LED window.

4 PROGRAM CYCLE

Cycle Selection Table

Electronic Auto Dry Cycles		Standard Program
Mixed-Fabric cycles **Note: press the "Low temp." button for heat-sensitive items**		
Bed linen and table linen, tracksuits, anorak, blankets	For thick and quilted fabrics which do not need to be ironed.	Very Dry
shirts, blouses and sportswear	For fabrics which do not need to be ironed.	Cupboard dry
Trousers, dressers, skirts, blouses	For fabrics which do need to be ironed.	Iron Dry
Cotton (Whites and coloureds) **Note: press the "Low temp." button for heat-sensitive items**		
Towelling, dressing gowns and bed linen	For thick and quilted fabrics.	Extra Dry
Terry towelling, tea towels, towel, bed linen	For thick and quilted fabrics which do not need to be ironed.	Very Dry
Bath towels, tea towels, underwear, cotton socks	For fabrics which do not need to be ironed.	Cupboard dry
T-shirts, trousers, underwear, work clothes	For fabrics which do need to be ironed lightly, not completely.	Light Dry
Bed linen, table linen, towels, T-shirts Polo shirts and work clothes	For fabrics which do need to be ironed.	Iron Dry
Bed linen, table linen, towels	For fabrics which do need to be pressed.	Machine Iron
Time Cycles for selected length of time		
Bath towels, bath robes, dishclothes, Quilted fabrics made of acrylic	Small clothes & pre-dried laundry Normal Normal fabrics using hot temperature for 20minutes	Warm (20min.)
	Small clothes & pre-dried laundry Normal fabrics using hot temperature 40minutes	Warm (40min.)
All fabrics needing freshing, tumbles without heat		Cool Air (20min.)
sweater, delicate, fabrics, sportshoes	For the fabrics you do not want tumble dry.	Rack dry
Special Fabrics		
Wool	For wool fabrics.	Wool
Silk, Women's thin clothes, lingerie	For fabrics which are heat-sensitive like synthetic fabrics.	Delicates

CAUTION !

If the load is less than 1kg, please use "Timed Drying Course“
Your wool should be used in Wool program and heat-sensitive fabrics including silk, underwears, lingerie should be used in delicates courses.
Otherwise, these clothes can cause undesirable drying results.

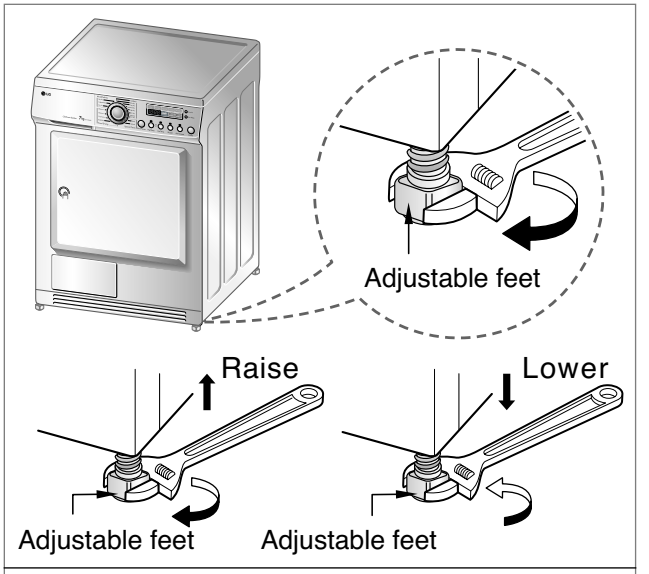
4 PROGRAM CYCLE

Course		High Temp.	Low Temp.	Buzzer Off	Anti-Crease	Time left
Cottons	Extra dry	O	O	O	O	121
	Very dry	O	O	O	O	117
	Cupboard dry	O	O	O	O	115
	Light dry	O	O	O	O	109
	Iron dry	O	O	O	O	103
	Maching Iron dry	O	O	O	O	101
Mixed Fabric	Extra dry	O	O	O	O	123
	Cupboard dry	O	O	O	O	87
	Iron dry	O	O	O	O	79
Timer	20 min.	O	O	O	O	20
	40 min.	O	O	O	O	40
	Cool-Air	X	X	O	O	20
	Rack	X	X	O	O	40
Special Fabric	Wool	X	X	O	O	73
	Delicate	X	X	O	O	69

Level the dryer

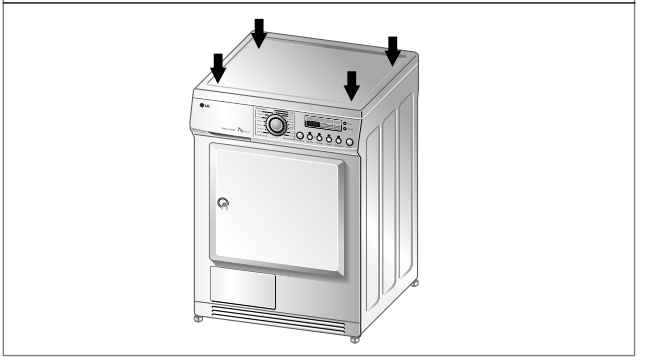
1. Levelling the dryer is to prevent undesirable noise and vibration.

When placing your dryer in an solid and level area where water is not dripping and freezing, flammable materials are not stored.



2. If the dryer is not properly level, adjust the front levelling legs up and down as necessary.

Turn them clockwise to raise and counterclockwise to lower until the dryer is not wobbling both front-to-back and side-to-side.



※ ***Diagonal Check***

When pushing down the edges of the washing machine, the machine should not move up and down at all. (Please, check both of two directions)

If machine rocks when pushing the machine top plate diagonally, adjust the feet again.

5 INSTALLATION INSTRUCTIONS

GROUNDING INSTRUCTION

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current.
This appliance is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING!

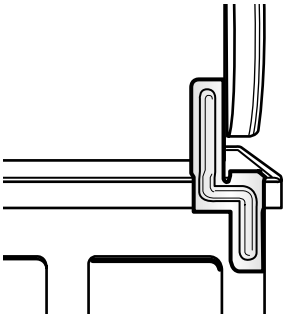
Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or a service person if you are in doubt as to wether the dryer is properly grounded.

Additional Grounding Procedure

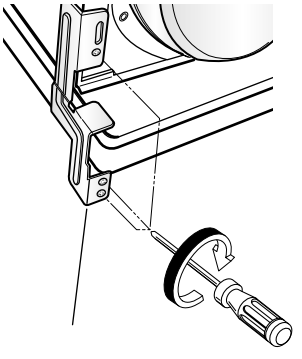
Some local codes may require a separate ground. In such cases, the required accessory ground wire, clamp and screw must be purchased separately.

Condensate Drain

The dryer can drain water without delivering to water container. Water is directly pumped out of the dryer.



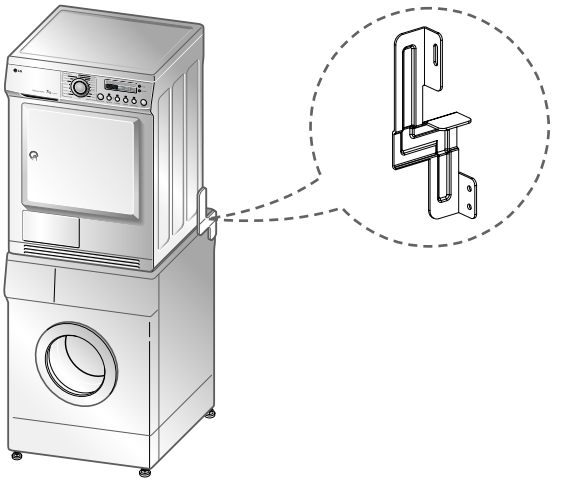
Installed Stacking kit-side view



Installed Stacking kit - rear view

Stacking Kit

In order to stack this dryer on a LG washing machine, a stacking kit is needed.

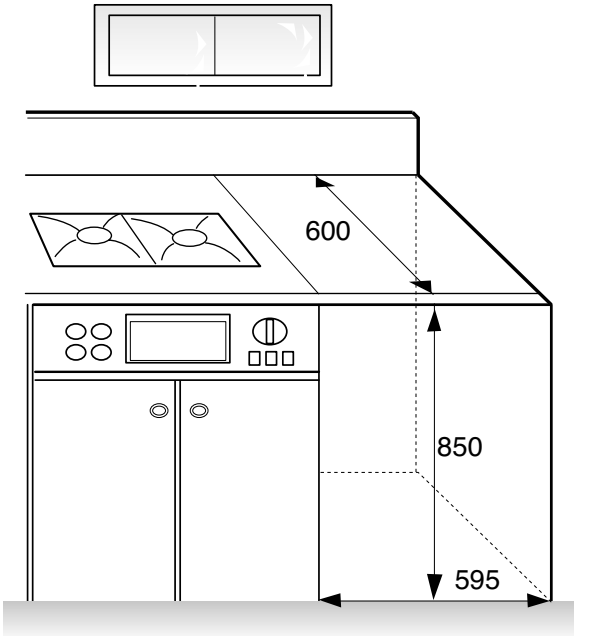


Built-in Installation

Your dryer can be built-in. You can fit the dryer under-counter in a kicken cabinet opening. Opening dimensions are shown as follows.

For your safety, metal cover must be tightly fitted.

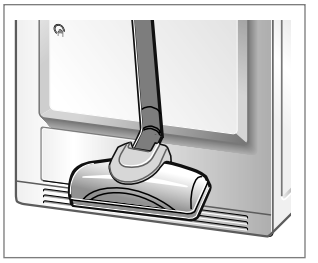
This must be placed by an experienced service person and installed under a continuous worktop.



6 MAINTENANCE INSTRUCTIONS

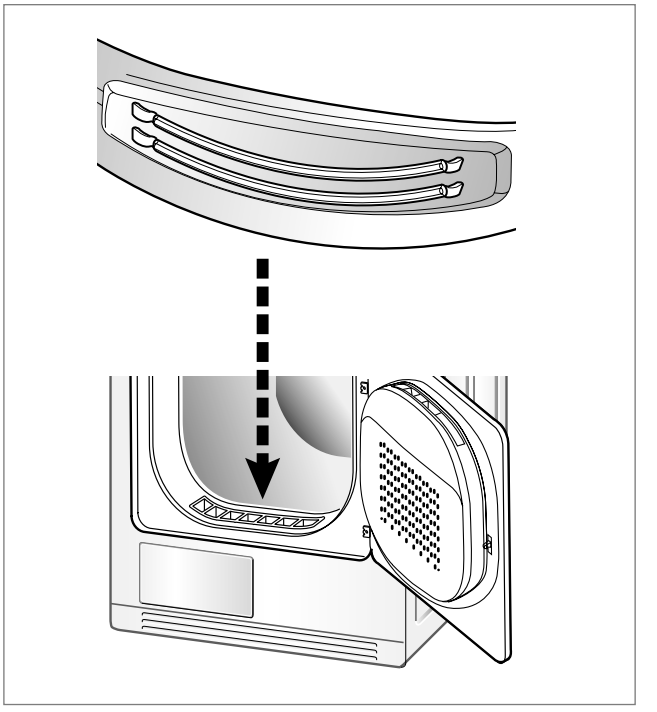
Front Ventilation Grille

Vacuum the front ventilation grill 3~4 time a year to make sure there must be no build-up of lints or dirts which cause improper intake air flow.



Moisture Sensor?

This device functions to sense the moisture remaining contents of the laundry during operation which means it must be cleaned all the time. The main reason of cleaning this part is to remove the build-up of lime scale on the surface of sensor. Wipe the sensors inside drum (Shown in the picture).



Condensed water Drain-out

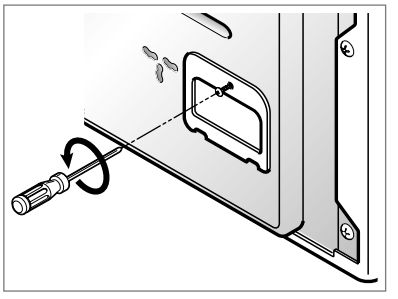
Normally, condensed water is pumped up to water container where water is collected until emptied.

Not only using water container, but water can be drained out directly to drain hose especially when dryer is stacked on top of washing machine.

With connecting kit for drain hose, you can simply change water path and water reroute to the drainage facility.

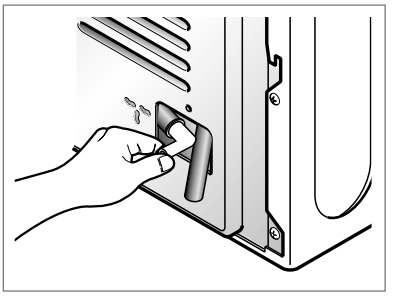
Please follow the below steps.

1. Unscrew cover.

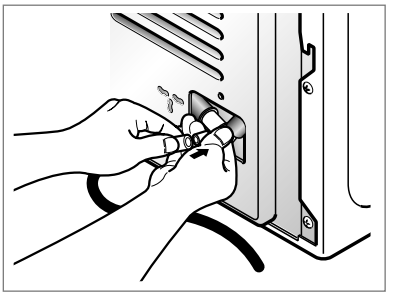


2. Take connecting kit out.

3. Separate water container hose from the kit.



4. Connect drain hose to the kit.



6 MAINTENANCE INSTRUCTIONS

Reverse the door

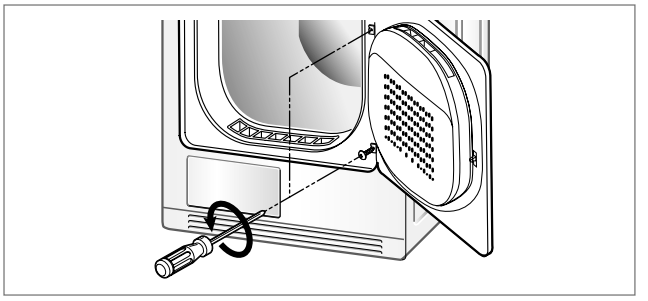
The door can be reversed to fit to your own installation conditions. From the factory, the door hinge is located on the right side.

Caution !

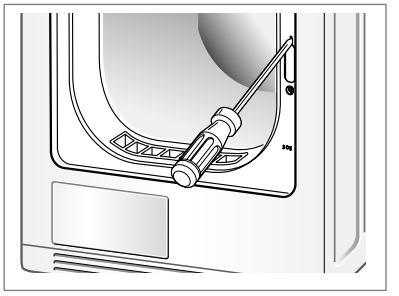
1. This work may cause the injury of your hands so you must be careful to handle some sharp devices like tork screwdriver or slotted screwdriver.
2. When the door is revered, the hand sticker on the door also must be replaced.

Do not use a machine screwdriver.

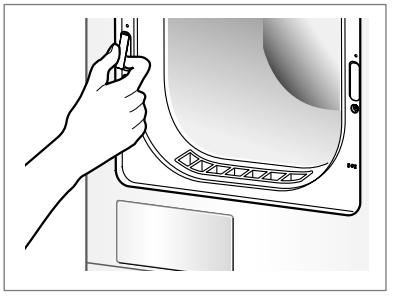
1. Unscrew the bottom hinge of the door first and top hinge. And then place on the blanket to prevent scratches.



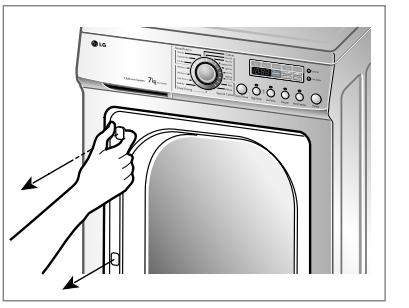
2. Remove the door lock cover.



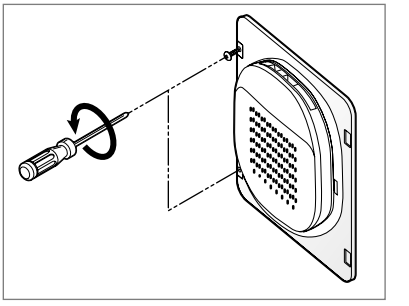
3. Remove the door lock and replace where door lock cover is located.



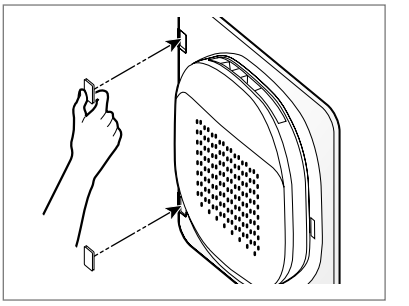
4. Detach both hinge point covers.



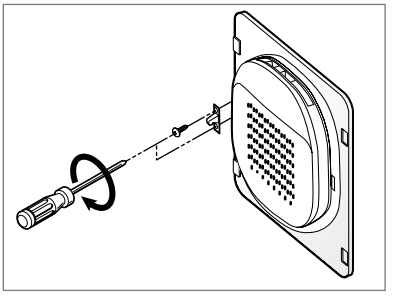
5. Unscrew two door hinges.



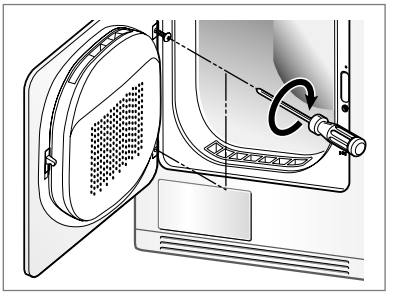
6. Replace both hinge point covers where door hinge is located.



7. Replace the door catch to the reverse location.



8. Screw the door hinges.



6 MAINTENANCE INSTRUCTIONS

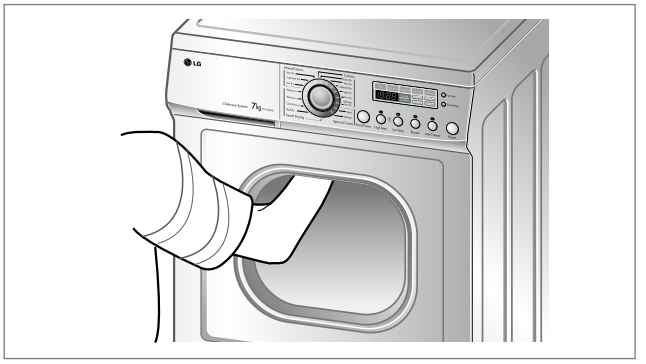
Change the Bulb

The bulb itself could be very hot when the dryer just finishes its operation. So before changing the bulb, be sure that the inside of the drum is cool down.

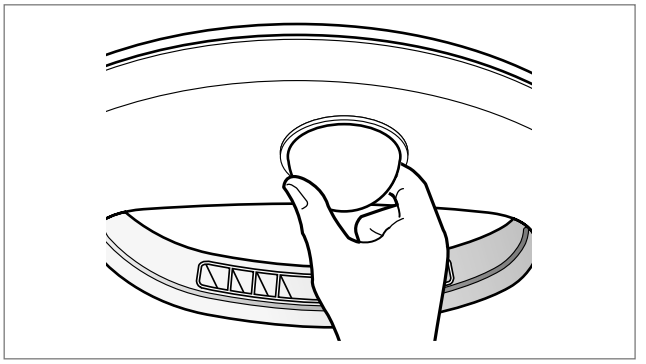
Caution !

Power cord must be unplugged before this work to avoid danger of electric shock.

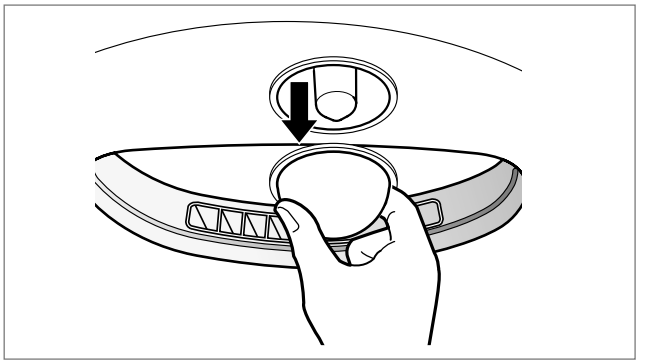
1. Open the door, put a hand into the drum and grasp a bulb cover.



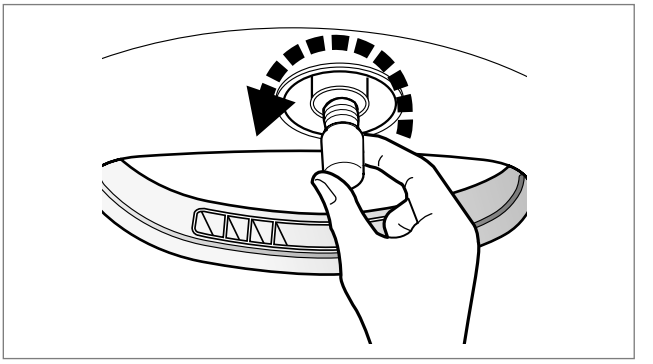
2. With bulb held by a hand, turn the bulb to the clockwise direction with a certain amount of force.



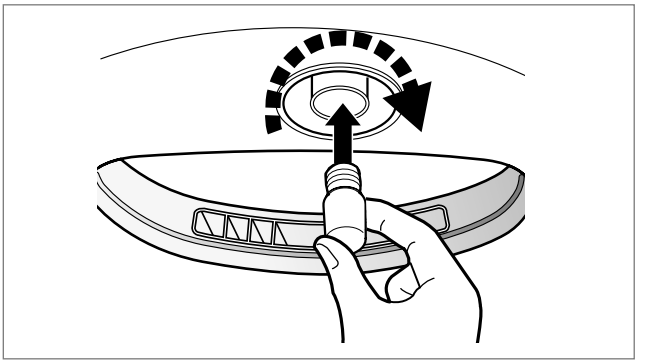
3. Seperate bulb cover from the socket housing.



4. Remove the current bulb turning it to Counter clockwise direction.
   Be careful that it does not fall off.

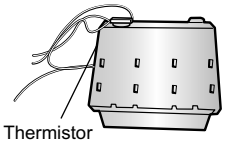
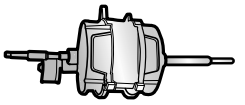
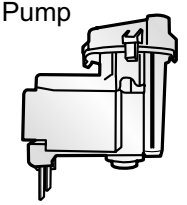


5. Screw in the new bulb in the reverse unscrewing direction.

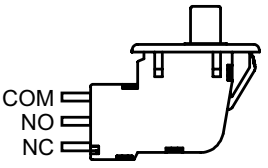
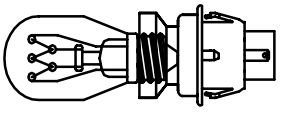


Do not need any special tool for this work.
All steps can be done manually.

7 COMPONENT TESTING TIPS

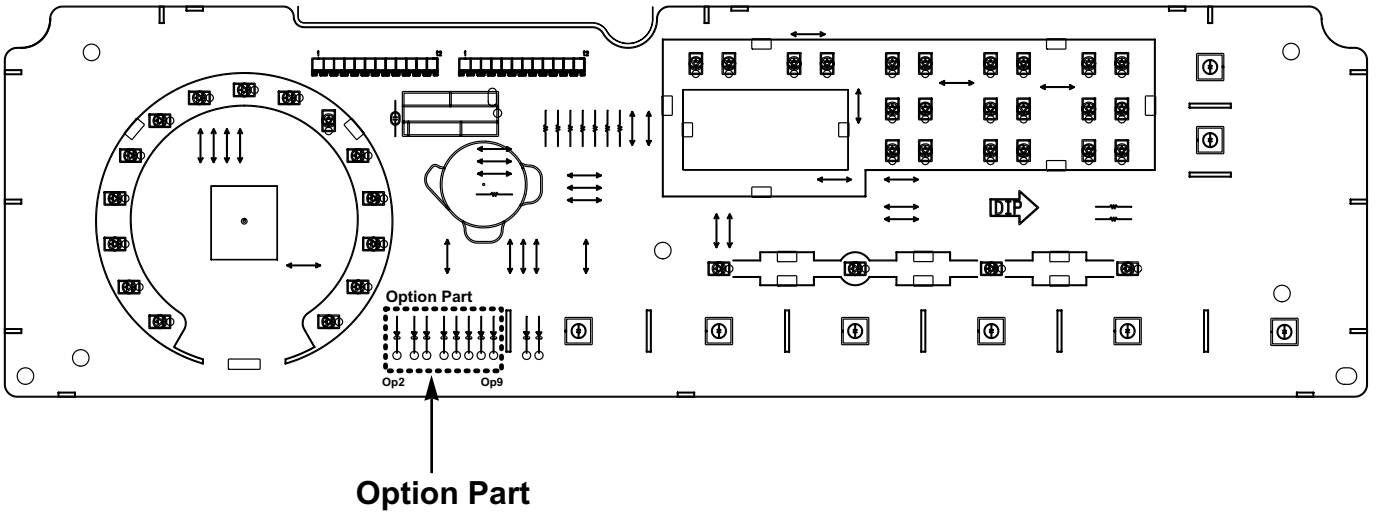
Component	Test procedure	Check result	Remark
1. Thermostat (Manual type)	Measure resistance of Terminal to terminal 1) Open at 170°C (-10/+5°C)	Measure resistance by pressing button When resistance becomes ∞ Resistance value < 5Ω	Safety Thermostat
2. Thermistor (Low temp.)	Measure resistance of terminal to terminal	Resistance value : 10KΩ±5% (at 25°C)	Cover, Front
3. Heater, Thermistor 	Measure resistance of Terminal to terminal	Resistance value : Yellow/White : 28.96±1Ω Blue/White : 56.29±2Ω	
	Measure resistance of therminal to terminal	Resistance value : 200KΩ±5% (at 25°C)	Heater
4. Motor 	Measure resistance of Terminal to terminal	Resistance value : White/Blue : 24.8±2.5Ω Blue/Red : 21.5±2.0Ω	
5. Capacitor	Measure capacitance of Terminal to terminal	Capacitance value : 10±0.2μF	
6. Pump 	Measure resistance of Terminal to terminal	Resistance value : 205±10Ω	

7 COMPONENT TESTING TIPS

Component	Test procedure	Check result	Remark
7. Door S/W  	Measure resistance of the Following terminal 1) Door switch knob : open ①Terminal : “COM”- “NC” (1-3) ②Terminal : “COM”- “NO” (1-2) 2)Door switch push : Push ①Terminal : “COM”- “NC” (1-3) ②Terminal : “COM”- “NO” (1-2)	① Resistance value < 1Ω ② Resistance value ÷ ∞ ① Resistance value ÷ ∞ ② Resistance value < 1Ω	The state that knob is Pressed is opposite to open condition
8. Lamp holder 	Measure resistance of terminal to terminal	Resistance value : 80Ω~100Ω AC 230V, 15W	

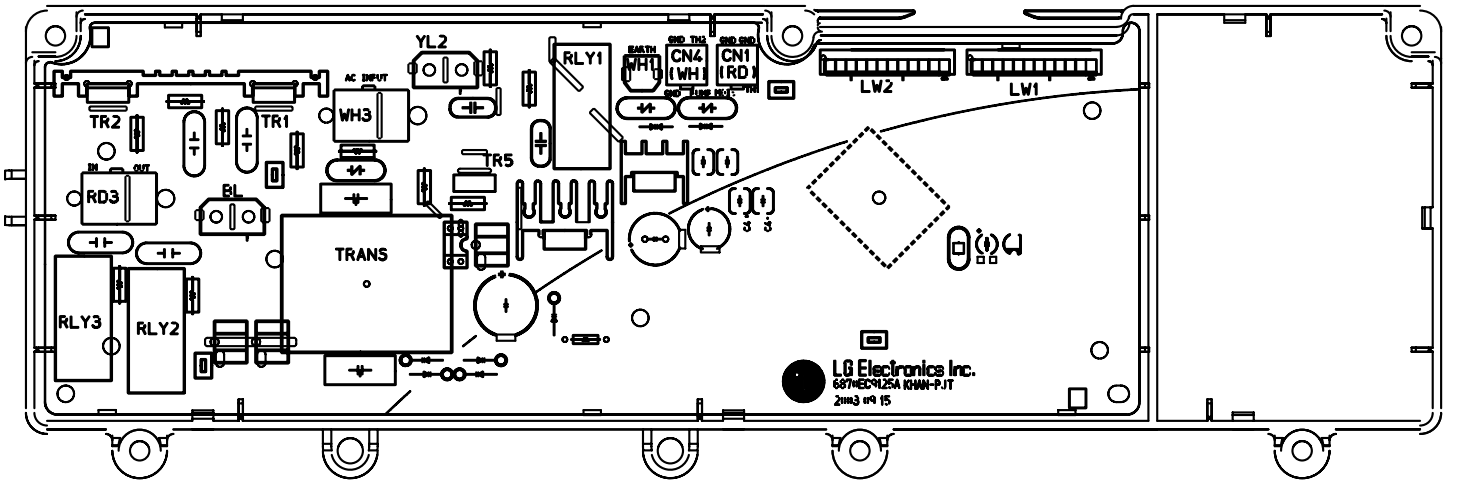
8 CONTROL LAY-OUT

PWB ASSEMBLY DISPLAY LAY-OUT



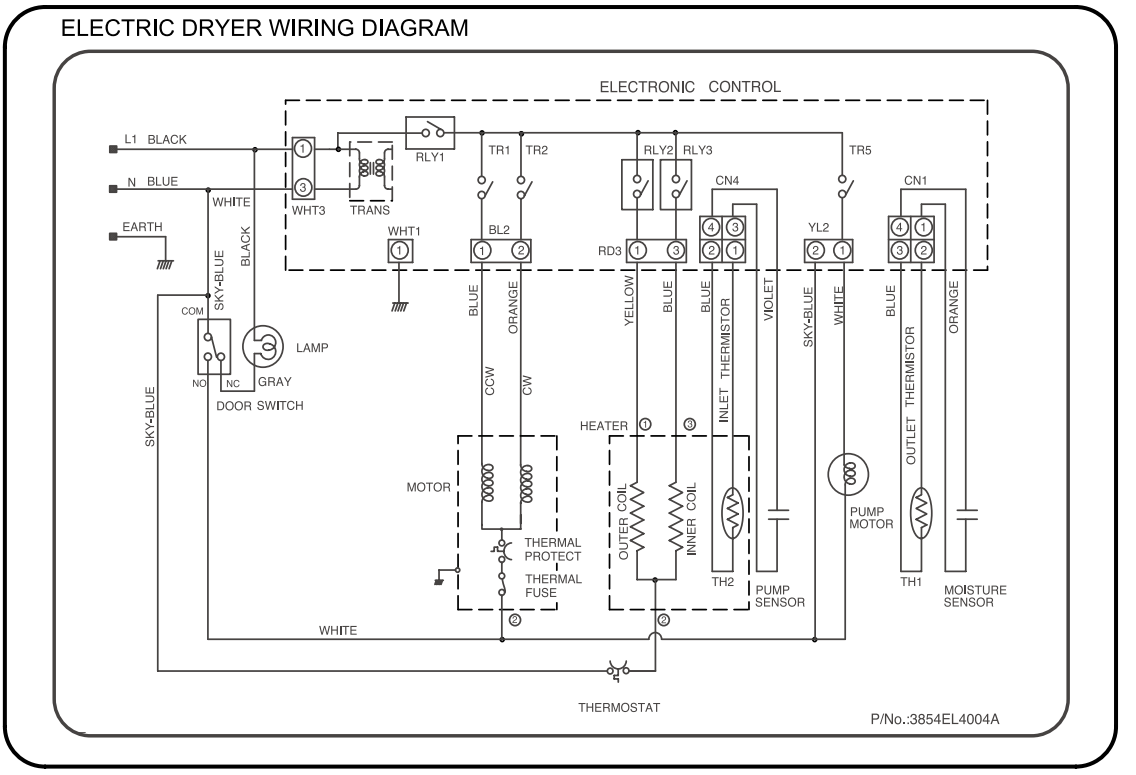
MODEL	OPTION PART						SEGMENT DISPLAY	P/NO
	OP4	OP5	OP6	OP7	OP8	OP9		
TD-C70040E	x	x	x	x	x	x	18:88	6871EC1114*

PWB ASSEMBLY LAY-OUT

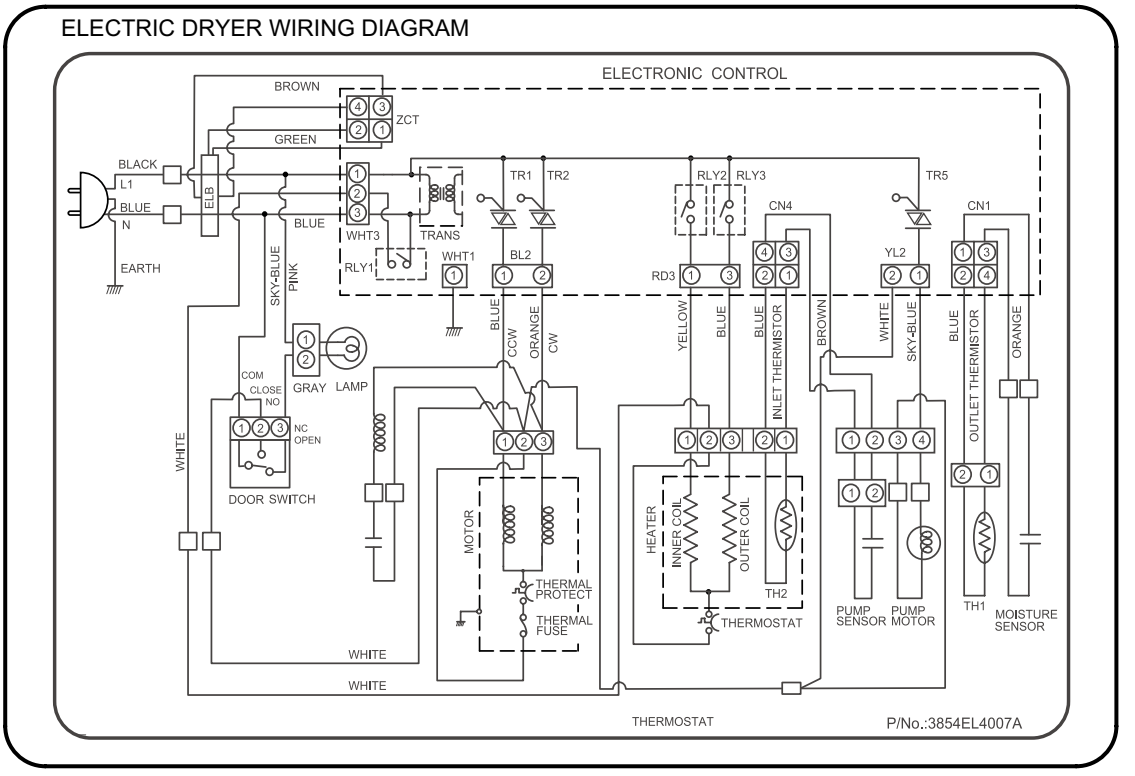


9 WIRING DIAGRAM

Without ELB model



With ELB model



10 TROUBLESHOOTING

1. This TEST should be used for Factory test/Service test. Do not use this DIAGNOSTIC TEST other than specified.
2. Activating the Heater manually with Door open may trp the Thermostat attached to the Heater, therefore do not activate it manually, (Do not press the door switch to operate the heater while the door is open)

Activating the diagnostic test mode

1. Unit must be in Standby (unit plugged in, display off)
2. Press **" POWER"** while pressing "**Buzzer"** and "**Anti-crease"** simultaneously**.**

Pressing the "START/PAUSE"button	CHECKING ACTION	DISPLAY	CHECKING POINTS	REMARK
None	Electric control	18:83~18:87	Check all leds for operation.	Model / Model / Display TD-C70040E/41E/45E / Europe / 18:83 TD-C70040E/45E / England / 18:84 TD-C70042E/46E / Europe / 18:85 TD-C70042E/46E / England / 18:86 TD-C70040E/45E / Australia / 18:87
Once	Motor	70~245 Measured Moisture Value	Motor run counterclockwise. Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	
Twice	Motor	70~245 Measured Moisture Value	Motor run clockwise. Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	
3 times	Motor + Heater 1	Current temperature	Motor run clockwise. Heater run(Display the temperature of low temperature themistor located under door.)	
4 times	Motor+Heater 1 +Heater 2	Current temperature	Motor run clockwise. Heater run(Display the temperature of high temperature thermistor located in heater assembly.)	
5 times	Motor off + Pump off	Water level in sump	Pump run	
6 times	Motor	70~237 Measured Moisture Value	Motor runs Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	
7 times	Motor & Heater off Buzzer On	ELE	ELB Sensor If ELB Sensor is in normal condition, "ELE" is displayed.	
8 times	Control Off		Auto Off	

Data Display

-Tested under normal operation mode.

- Press the "High Temp." and "Anti-Crease" button as follows.

No. of Button pressing	Display
1 time	Moisture data
2 times	Temperature sensed by low temperature thermistor (located under door)
3 times	Temperature sensed by High temperature thermistor (located in heater assembly)
4 times	Remaining water data by water level sensor

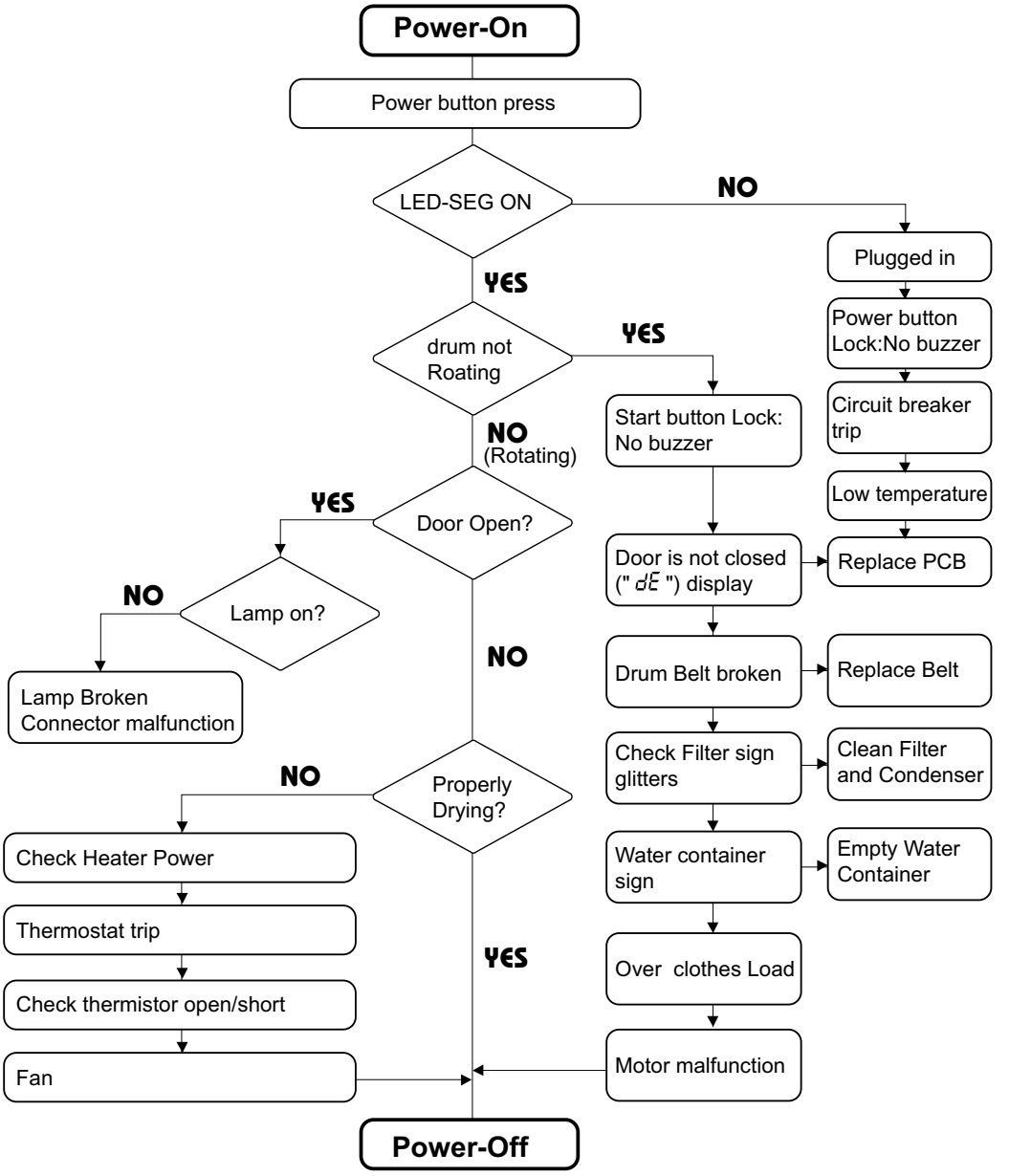
10 TROUBLESHOOTING

Error Mode

- dE : LED displays "dE" in case of the door open. The door must be closed and start Button must be pressed for re-operation. (See the 22page)
- EHE (ELE)

Case 1. When black out or irregular current occurs.
- After removing ELB Connector, operate full time 1Cycle.

Case 2. EHE (ELE) message expresses continuously because of aging items.
- Change the old items.

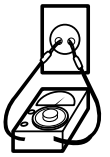


11 DIAGOSTIC TEST

Test 1 : ELECTRIC SUPPLY & CONTROL CHECK

Trouble Symptom : No power to the dryer or the controller

Measurement condition : Power is on.
[Caution] Electric shock. Please test after grounding check.



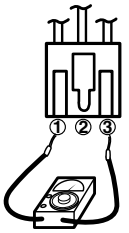
Power voltage is within standard range (AC 215V~245V)?

NO

- Check the
  - Circuit breaker

YES

WH3



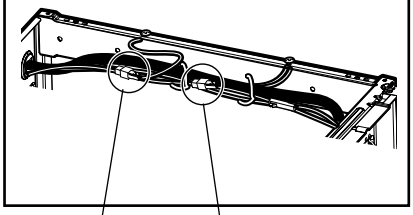
- Check after pulling white 3 pin connector out from controller.
- Check the range of white pin ①~③ is within

AC 215~245V?

YES

- Check or replace the controller

NO

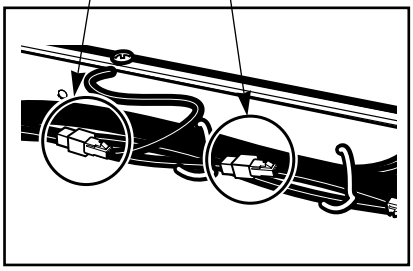


- Check connection of power cord and harness assembly.
- Check white 1pin-black 1pin of connector and secure that range is between AC 215~245V?

NO

- Check or replace the power cord

YES



Check the short of harness assembly(white and white wire) and the connection(WH3)

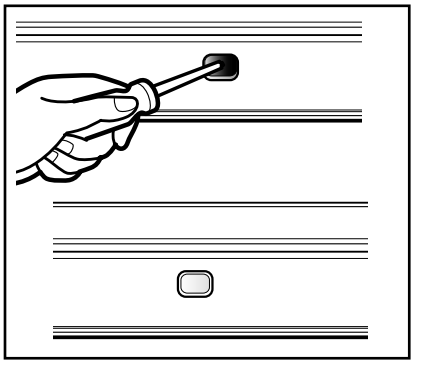
※In the case that the dryer is not working, when controller is powered and display button is properly working, Check RLY1 in the controller.

11 DIAGOSTIC TEST

Test 2 DOOR SWITCH / LAMP CHECK

Trouble Symptom : Malfunction of lamp operation and door switch
No operation of pump motor
Displays " dE " in case of the door closed.
The door must be closed and start.

Measurement condition : Check if they are working while being connected to power supply.



When door is opened, lamp turns on?
(Tumbling stops)

NO → Check door switch movement.
- See the left picture. Check and replace lamp.
- See the x page

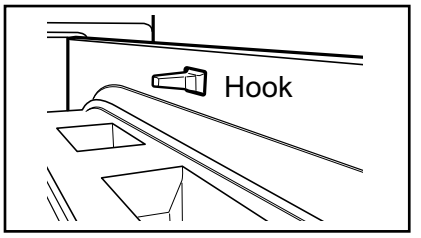
YES ↓

When door is closed, lamp turns off?

When "Start" button is on, the dryer is working?

YES → • Door switch is working normally.

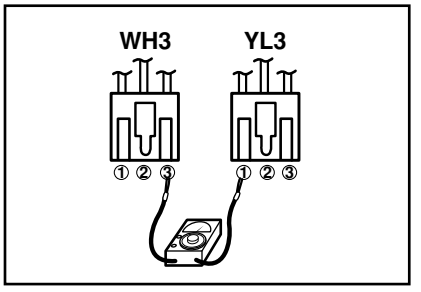
NO ↓



When door is opened or closed, door switch hook is not broken?

YES → • Replace door hook and close the door.

NO ↓



• With door closed, check voltage of connector WH3③ and YL3① which are pulled out from controller in advance. The voltage range is between AC 215~245V?

NO → • Door frame is distorted
• Check door switch
- See x page

YES ↓

Check or replace Controller Assembly
Replace Harness and connector

• With door closed, when "Start" button is pressed, lamp turns off and controller is working, but the dryer is not working.

• With door closed, check voltage of connector WH3③ and YL3① which are pulled out from controller in advance. The voltage range is between AC 215~245V?

NO → • Check Harness

YES → • Check and replace Controller

Test 3 Motor check

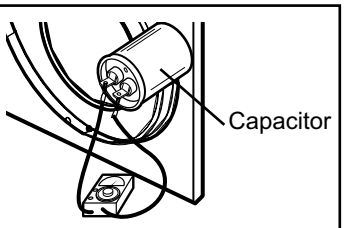
Trouble Symptom : Motor malfunction, ventilation error

Measurement condition : • Power cord is unplugged.
• Door is closed.
• Pre-Check door switch
(If door switch has contact problem, pump motor is not working.)

• When power is on, motor is rotating.

YES → • Check or replace Controller
- TR1, TR2 broken

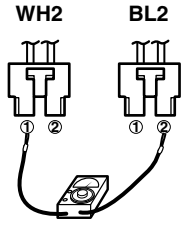
NO



• During operation, motor noise is generated. And drum and blower are not working.

YES → • Check Capacitor volume.
- See component test page.
- See the left picture.
• Check belt is burst.
• Check structural restriction.

NO



With WH2,BL2 being unplugged from Controller,
① WH2 ① - BL2 ① resistance
② WH2 ① - BL 2 ② resistance
measurement ranges 18Ω~26Ω ?

NO → • Check or replace Motor
- Check Motor TP
• Check Harness connection

YES

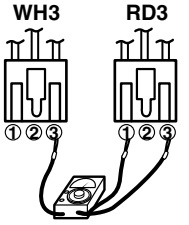
• Check controller
-See page 15
(PCB Assembly Lay-out)

11 DIAGOSTIC TEST

Test 4 Heater check Trouble Symptom : Motor malfunction, ventilation error

Trouble Symptom : Heater is not working. Drying failure. The designated temperature is not reached.

Measurement condition : ① Power cord is unplugged.



With WH3,RD3 disconnected from Controller,

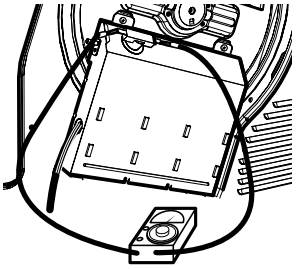
① WH3 ③ - RD3 ① resistance ranges 26Ω~32Ω ?

② WH3 ③ - RD3 ③ resistance ranges 53Ω~59Ω ?

YES

- Check and replace controller.
- Relay RTY2, RTY3
- See page 15, PCB assembly lay-out.

NO



When check thermostat to Heater,

it is less than 1Ω?

YES

- Replace Heater
- Check Harness connection

NO

Manually get Thermostat back (Press button)

Heater On/Off occurs frequently

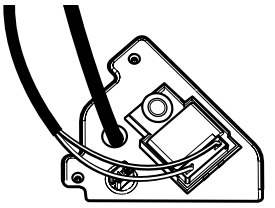
1. Clean Condensing unit :
2. Check if Lint filter is damaged or clogged

11 DIAGOSTIC TEST

Test 5 Pump check

Trouble Symptom : Check if pump is out of order. " Empty water" Error signals.

Measurement condition : Power cord is unplugged.



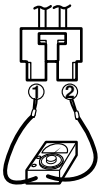
(Measure with power on)
On QC test mode, when Pump is on,
Electric noise doesn't occur
Electric noise doesn't occur while pumping?

YES

- Disassemble Pump
  - Check foreign objects
  - Check impeller restriction
  - Check connection hose clogged

NO

YL2

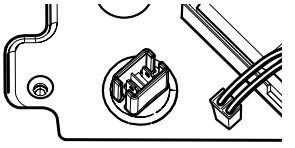


(Measure after power is off.)
With YL2 disconnected from Controller,
YL 2 ① - YL 2 ② resistance ranges 205±10Ω ?

NO

- Check or replace pump
- Check Harness connection

YES



- Check Pump sensor
- Check and replace Controller
  - TR3

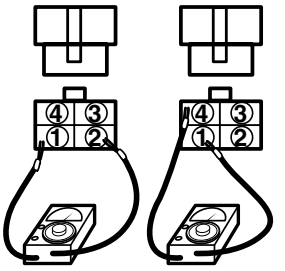
11 DIAGOSTIC TEST

Test 6 Thermister check

Trouble Symptom : Poor drying performance(over-drying or no drying). Abnormal thermistor operation.

Measurement condition : Power cord is unplugged.

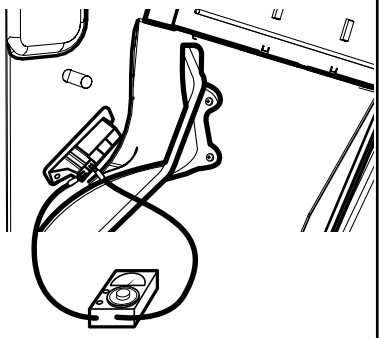
GN1(RD4) GN4(WH4)



With CN1(RED4), CN4(WH4) disconnected from Controller, check
① TH-Heater
CN4 ② - CN4 ① resistance ranges table data according to surrounding temperature?
②TH-Drum
CN1 ① - CN1 ④ resistance ranges table data according to surrounding temperature?

YES → • Check and replace Controller

NO



• When measuring "TH-Heater" Thermistor, they range Table data ?

NO → • Replace "TH-Heater" Thermistor

YES

• When measuring "TH-Drum " Thermistor, they range Table data ?

NO → • Replace "TH-Drum " Thermistor

YES

• Check Harness

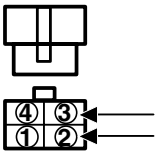
Dryer Temperature	Resistance		Dryer Temperature	Resistance		Remark
	TH-Heater	TH-Drum		TH1	TH2	
10°C ↓		19~111kΩ	40~50°C	113~75kΩ	5~4kΩ	
20~30°C	250~180kΩ	11~8kΩ	50~60°C	75~50kΩ	4~2.5kΩ	
30~40°C	180~113kΩ	8~5kΩ	60°C ↑	50kΩ ↓	2.5kΩ ↓	

Test 6 Moisture sensor check

Trouble Symptom : Drying Failure

Measurement condition : Power cord is unplugged.

GN1(RD4)

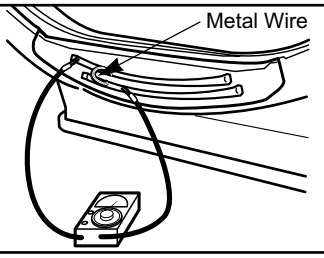


With CN1(RED4) disconnected from Controller, CN1 ③ - CN1 ② resistance is unlimited?

NO

- Check Harness
- Check if Sensor tips have foreign objects
  - Refer to the left picture

YES

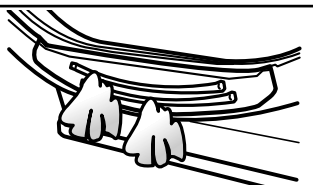


With metal tape attached to Sensor tips, CN1 ③ - CN1 ② resistance is less than 10Ω?

NO

- Check Harness
  - Open, Connector is disconnected

YES



After damp clothes touch Sensor tips, the range are within the below table when QA-test?

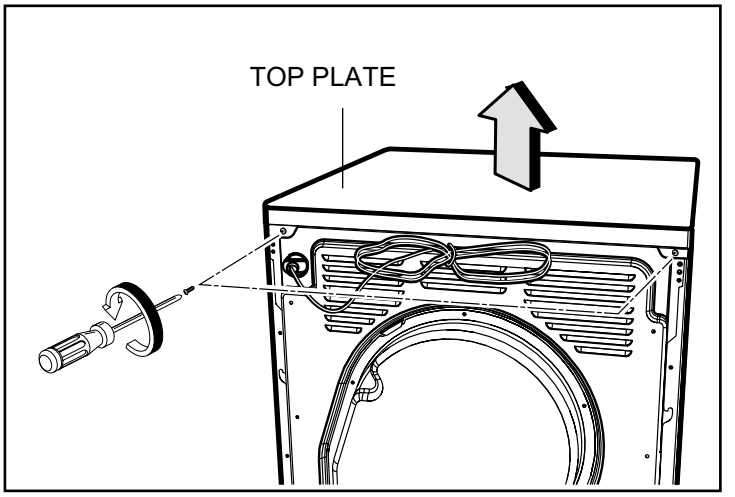
NO

- Check and replace Controller

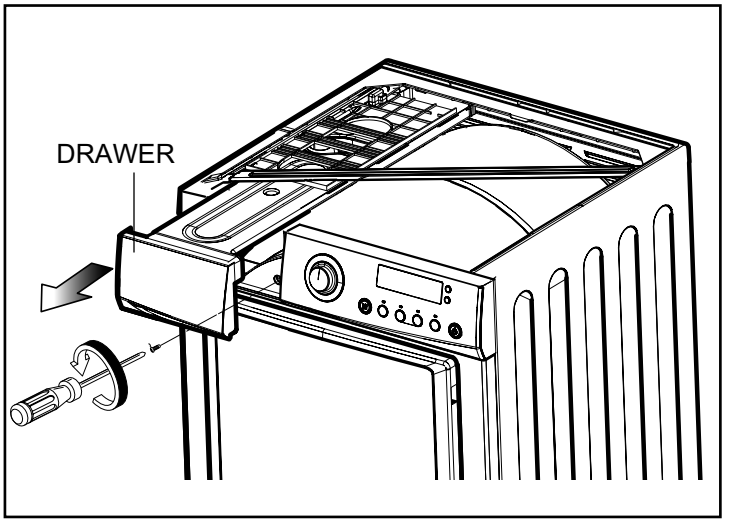
❄ IMC	DISPLAY	NOTE
40% ~ 60%	50 ~ 130	After Spinning
5% ~ 20%	100 ~ 200	Iron dry
-3 ~ +5 %	205 ~ 240	After normal dry

❄ IMC : Initial Moisture Contents.

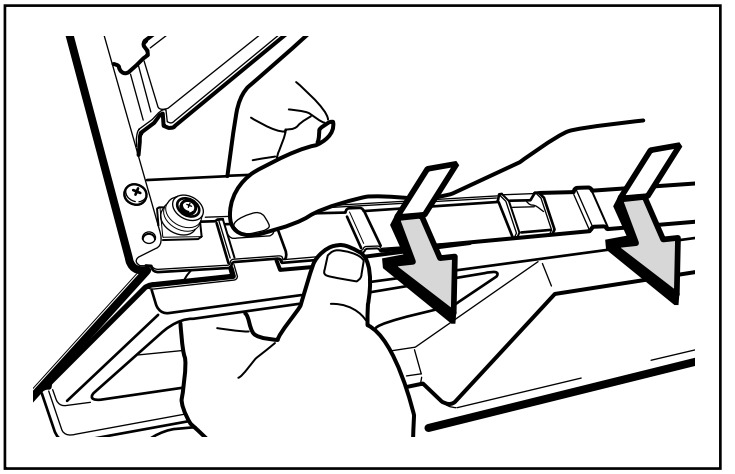
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble top plate by unscrewing 2 screws on the rear of the dryer.

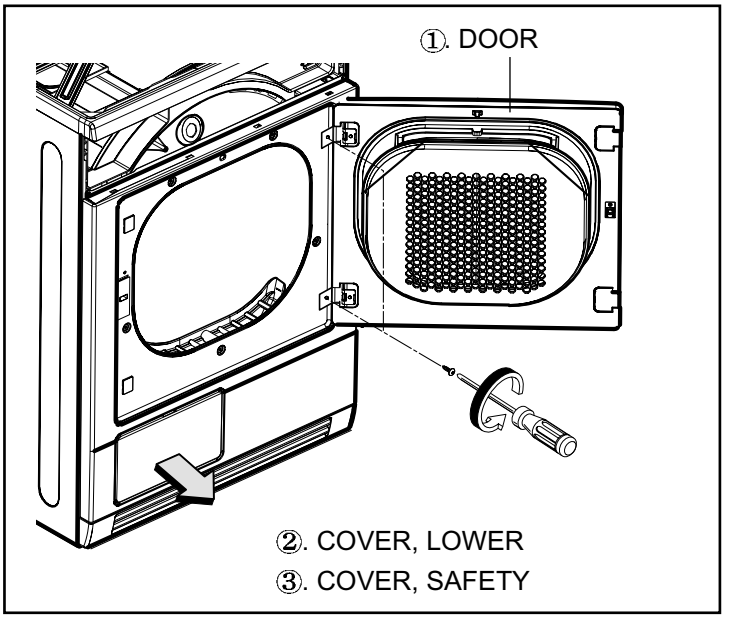


2. After pulling drawer assembly out, unscrew 1 screw.

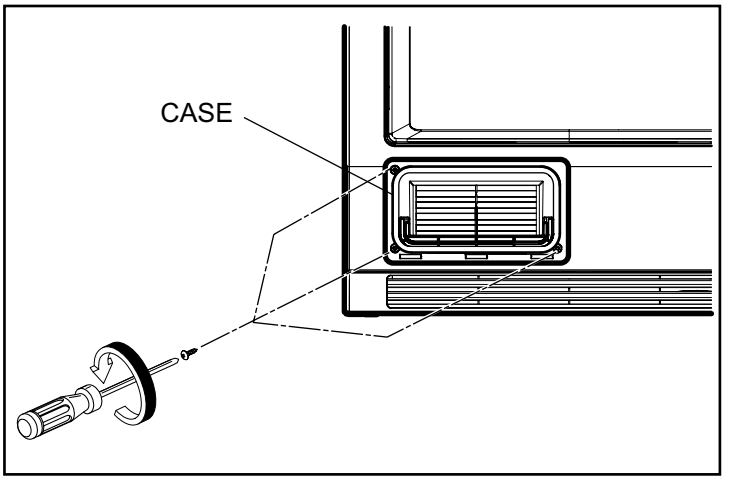


3. After releasing 4 hooks of control panel assembly, separate connectors from PWB assembly for disassembling control panel assembly.

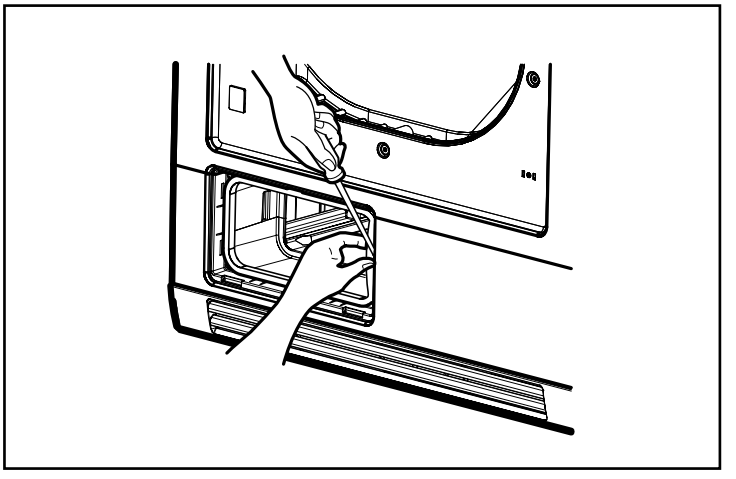
12 DIASSEMBLY INSTRUCTIONS



1-1. Disassemble door assembly by unscrewing 2 screws.
1-2. Disassemble lower cover by releasing hook.
1-3. After releasing 2 levers, disassemble safety cover.

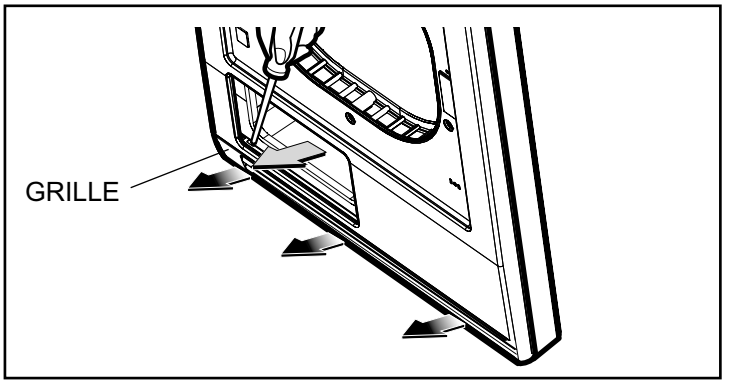


2. Disassemble 3 screws.

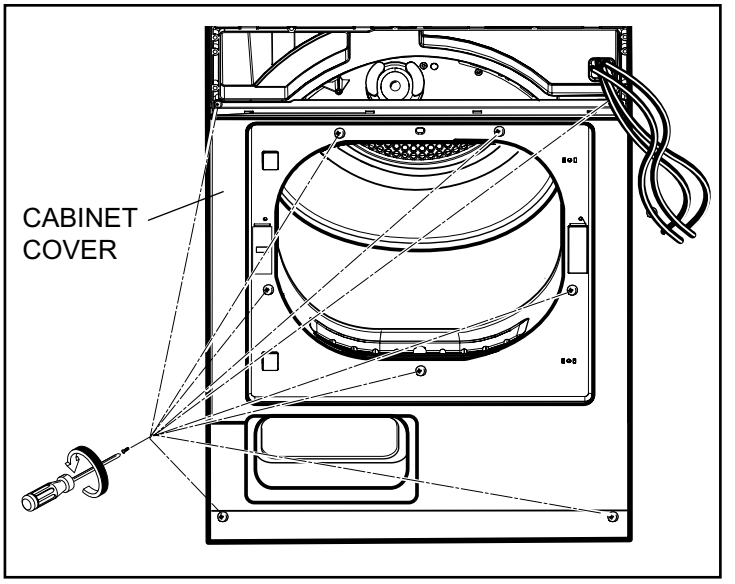


3.Disassemble the case with a Philips driver by releasing hook.

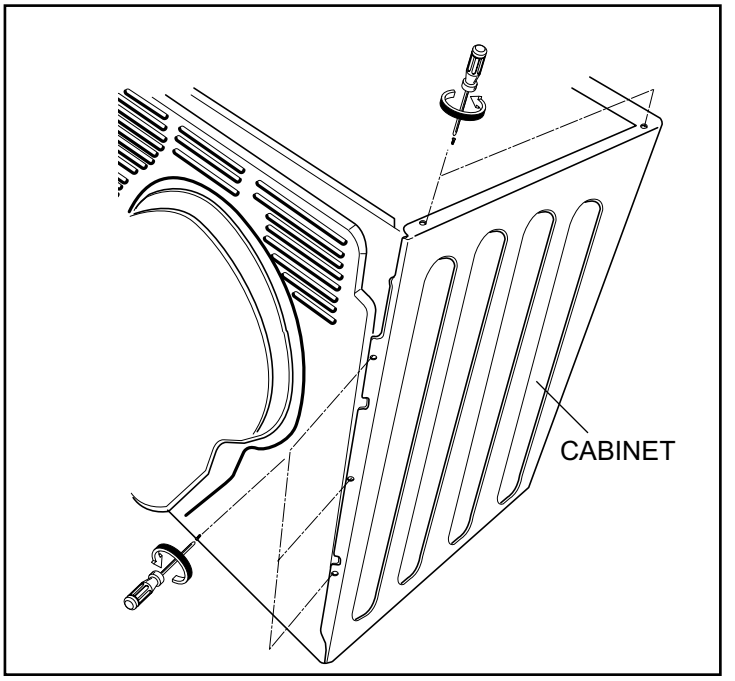
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble grille by releasing 3 hooks.

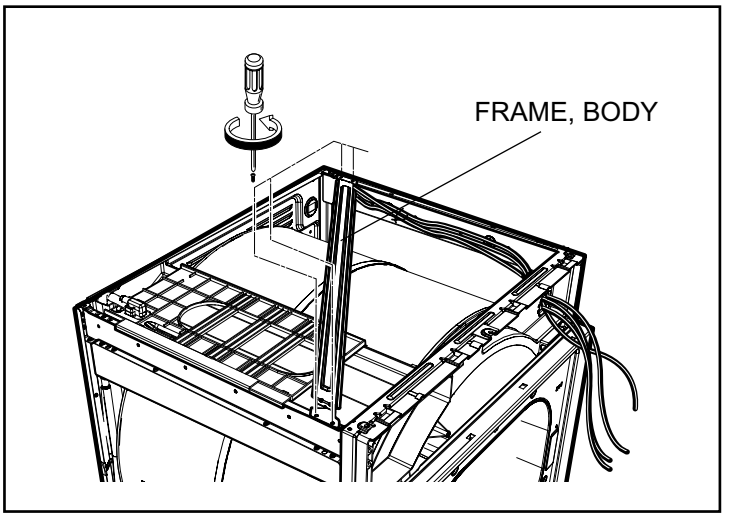


2. Disassemble cabinet cover by releasing 9 screws.

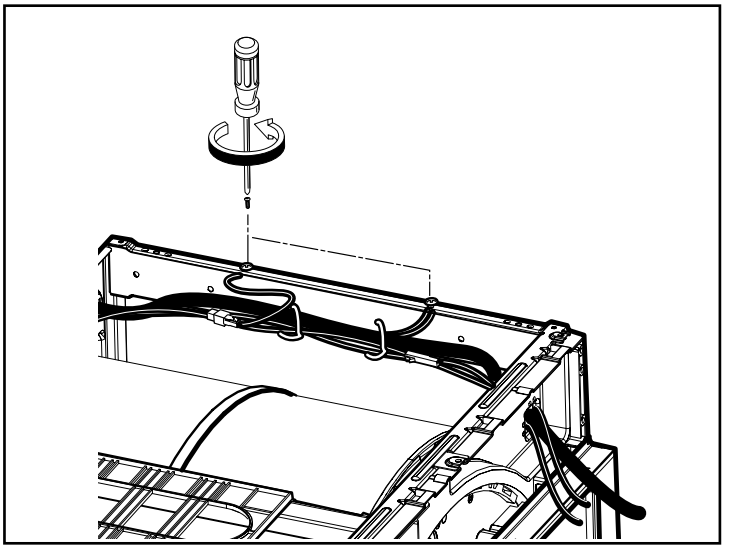


3. Disassemble cabinet by unscrewing 2 at the top and 3 at the rear (left and right are the same)

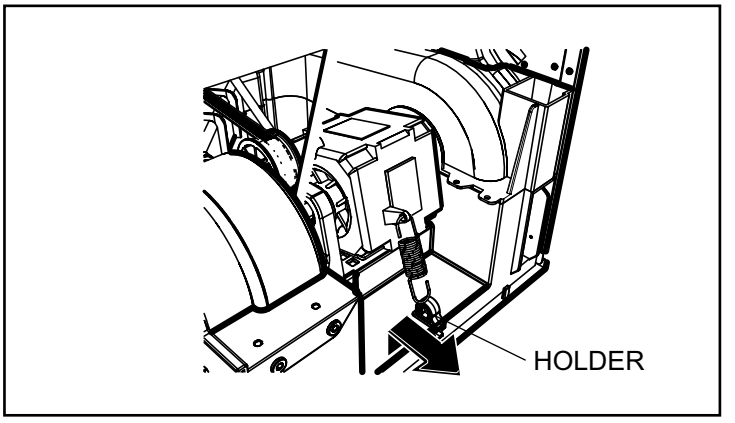
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble Body frame by unscrewing 4 screws.

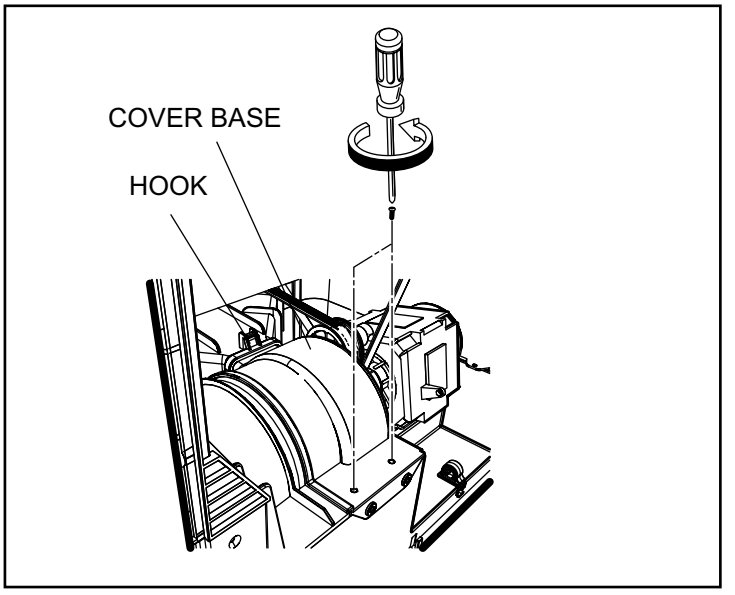


2. Disassemble Harness by unscrewing 2 Earth screws and disassemble connectors.

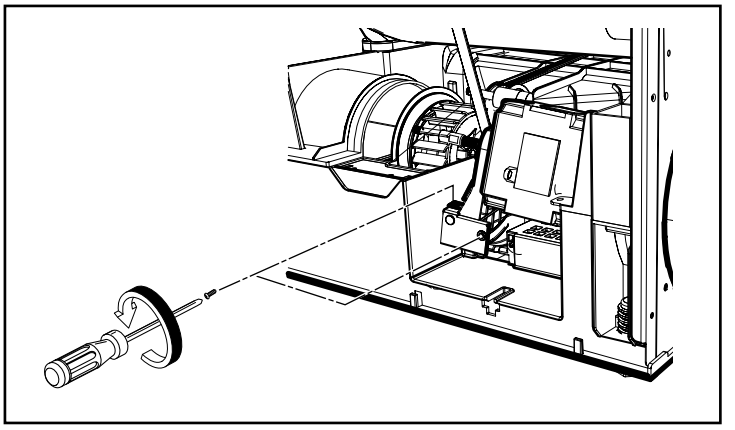


3. Disassemble Holder and Spring by pressing down and pulling the low hook of holder.

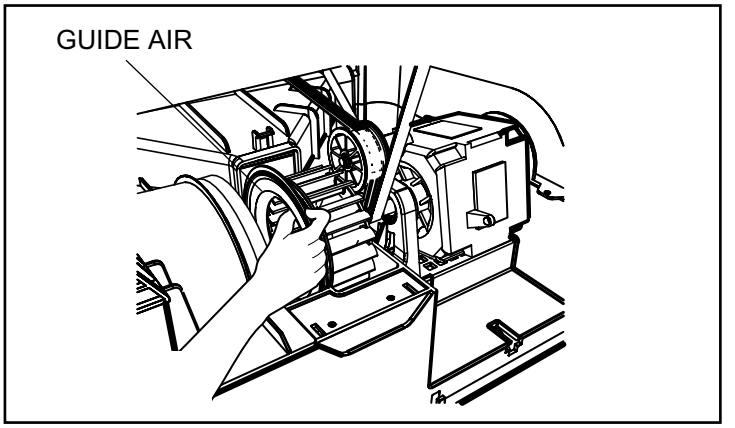
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble Blower cover by unscrewing 2 screws.
   (Note : Make sure that hook is properly fit after assembling Cover Base
   Wrong assembly will cause abnormal noise.)



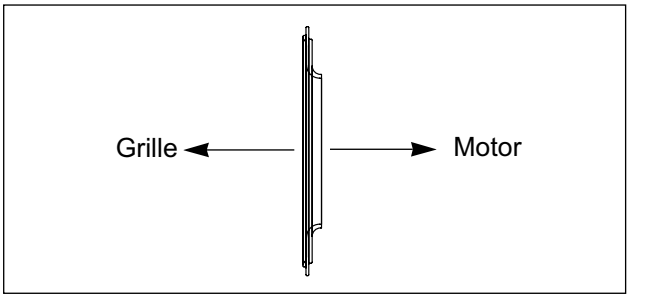
2. Disassemble Motor Supporter from Base by rotating after unscrewing 2 screws.



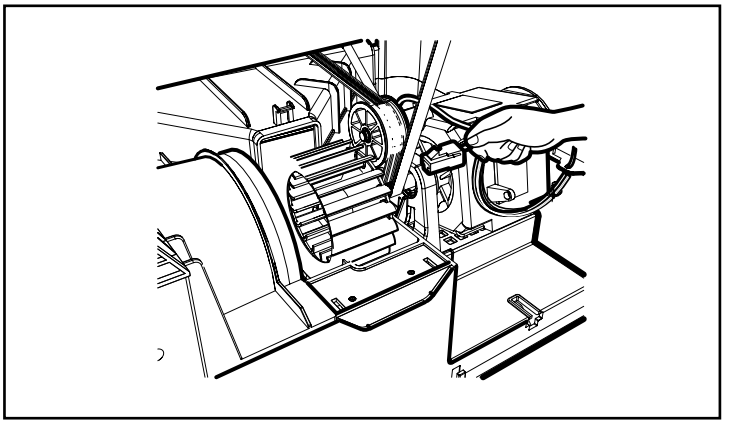
3-1. Disassemble Air Guide.

Note !

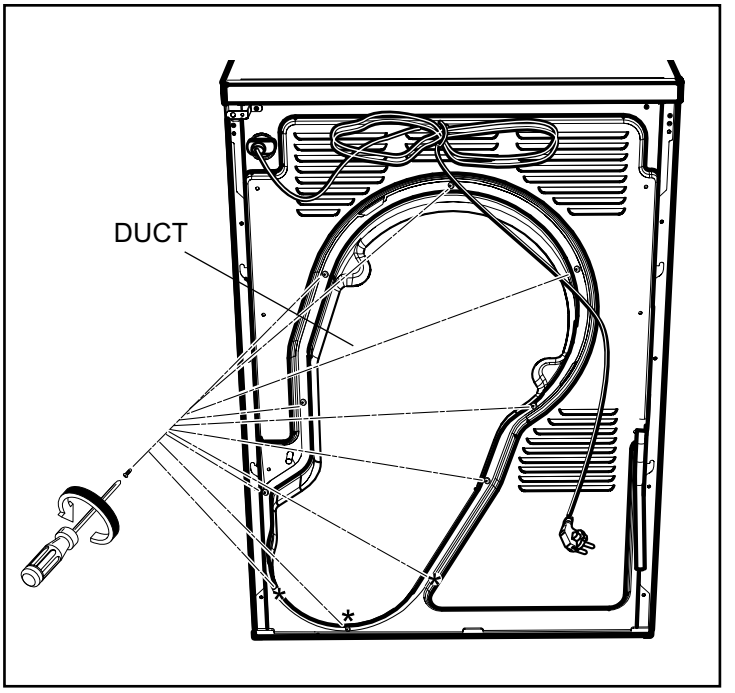
Assembly direction of Air Guide should be same as belows.
Wrong assembly will cause abnormal noise.



12 DIASSEMBLY INSTRUCTIONS



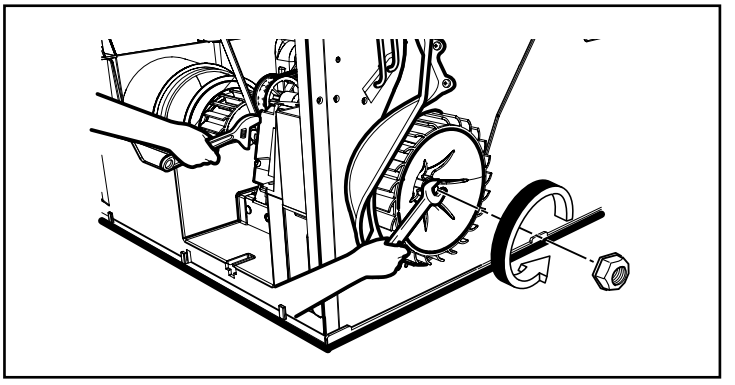
1. Disassemble Harness of Motor



2. Disassemble Duct by unscrewing.

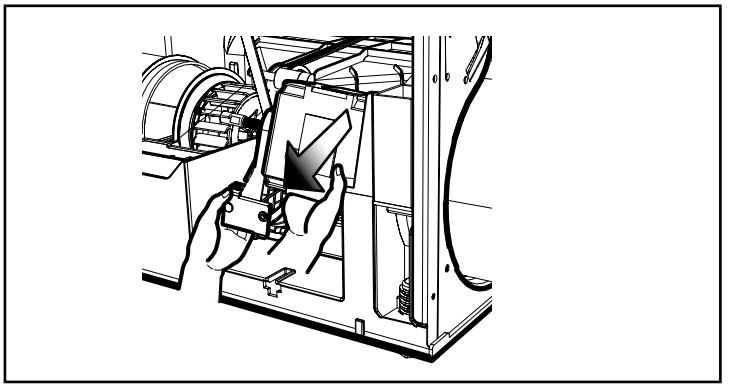
Note !

"*" marked 3 screws on the lower position of Duct are only used for molding parts. Be careful of not using them for other holes. Otherwise, the holes will be exposed to water leak.

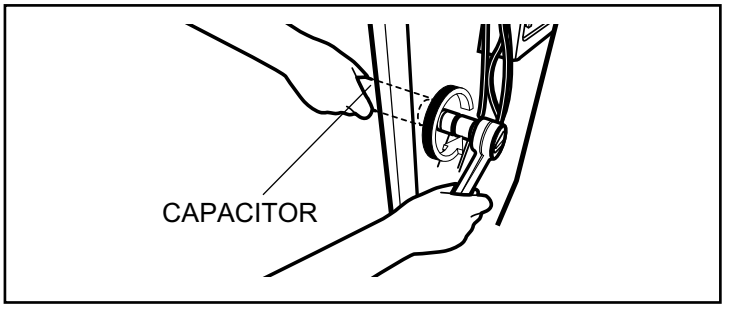


3. Disassemble Nut by grasping the edge of left motor shaft at the same time.

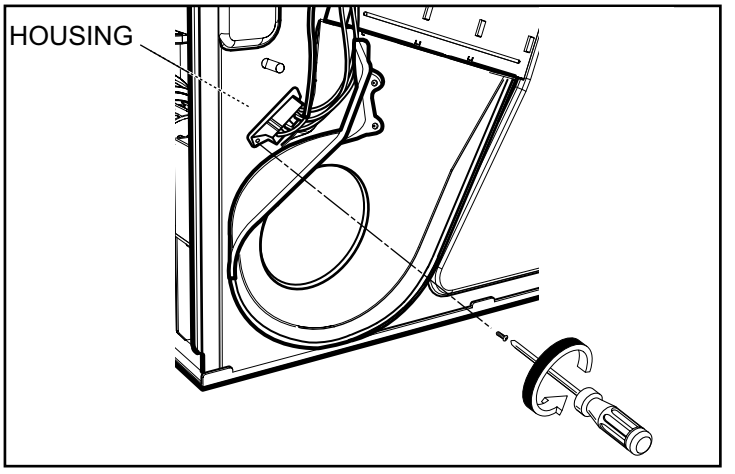
12 DIASSEMBLY INSTRUCTIONS



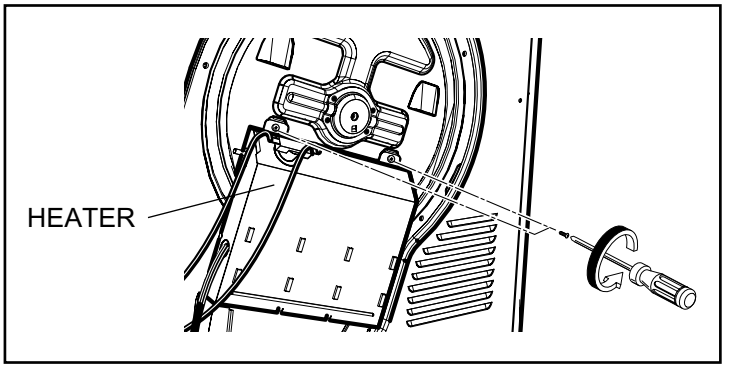
1. Disassemble Motor.



2. Disassemble Capacitor by unscrewing Nut.

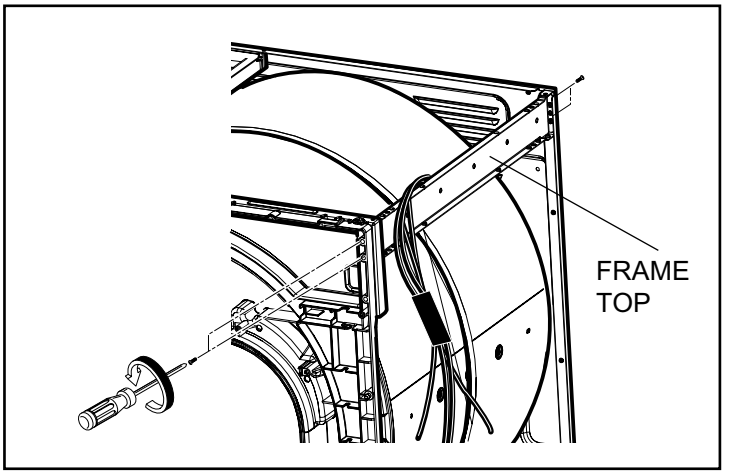


3. Disassemble Heater Housing by detaching inner Connector harness and unscrewing.

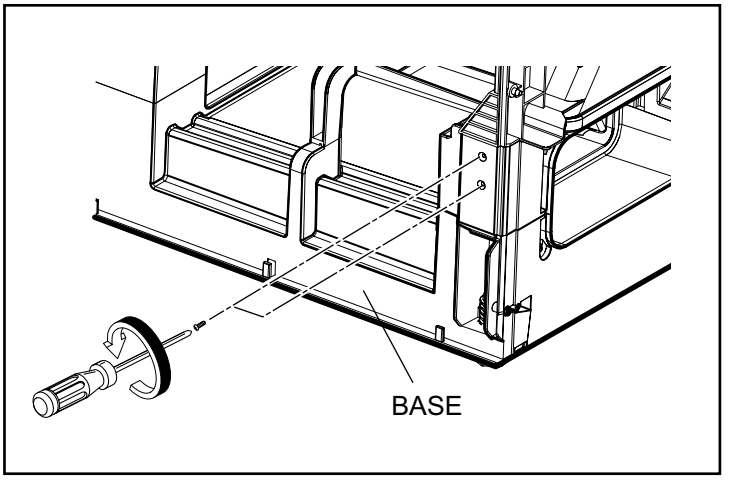


4. Disassemble Heater by unscrewing 2 screws.

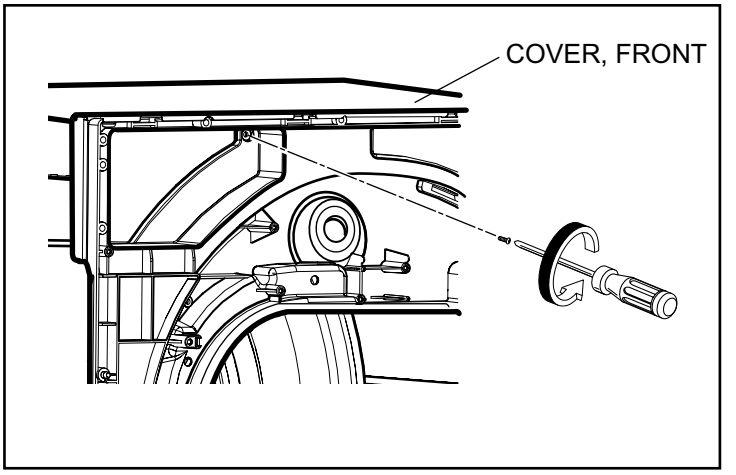
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble Frame Top by unscrewing 4 screws. (Left and right are same)

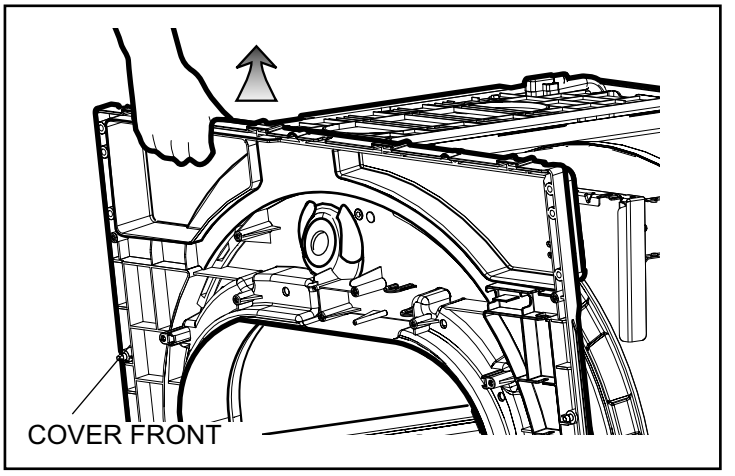


2. Unscrew 4 screws at the left and right.

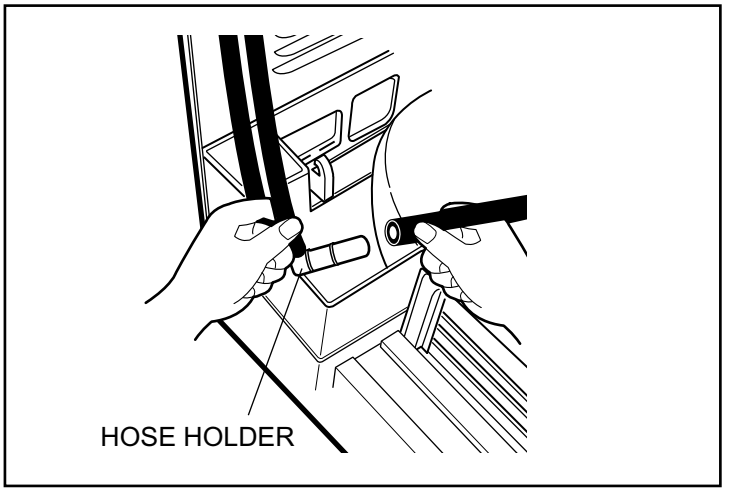


3. Unscrew 1 screw at the front.

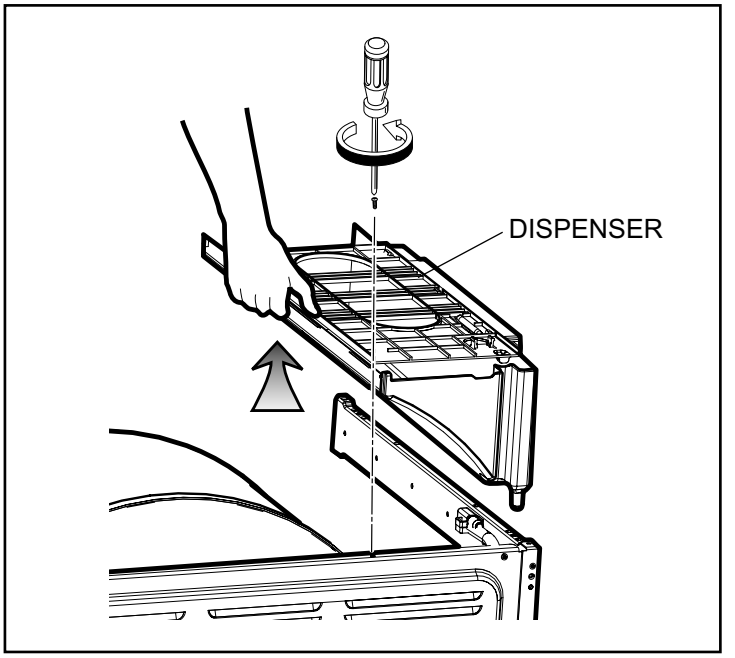
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble Cover Front by pulling the top area out.

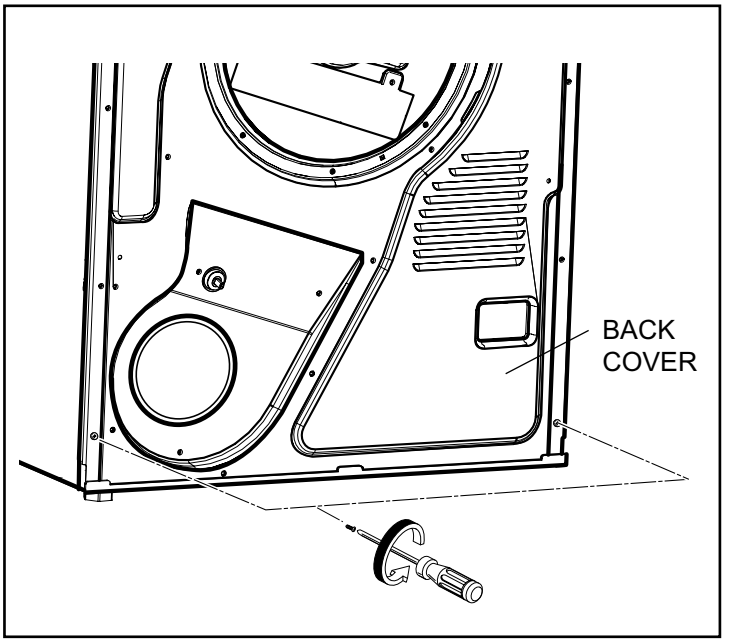


2. Disassemble Hose from hose holder at the base.

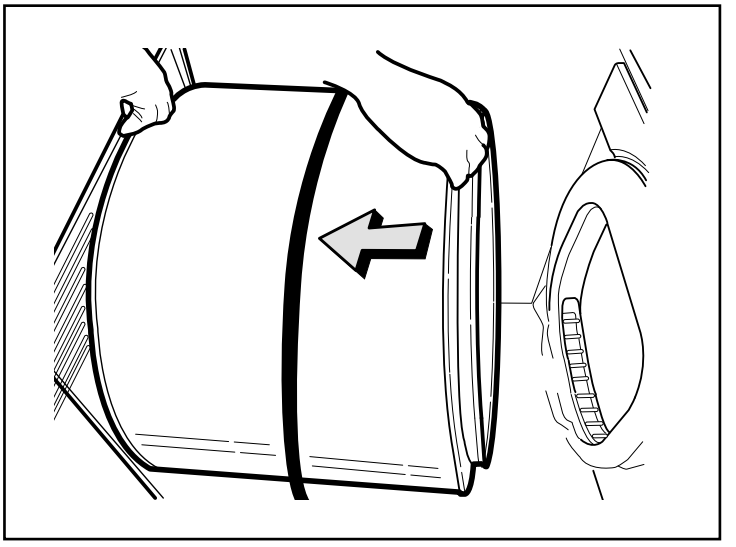


3. Disassemble Dispenser by unscrewing.

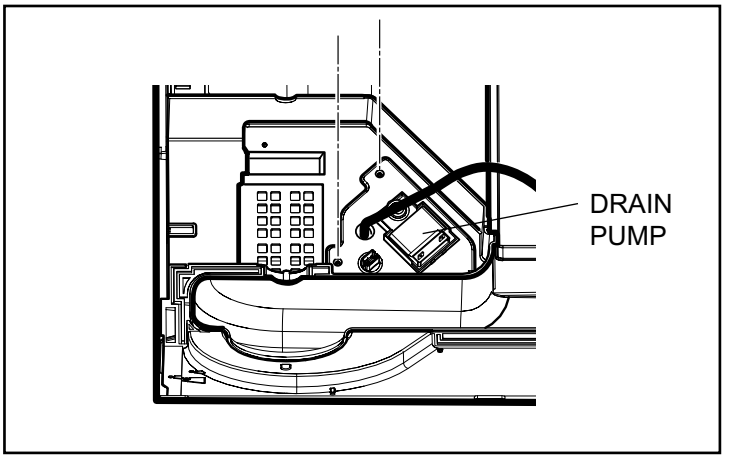
12 DIASSEMBLY INSTRUCTIONS



1. Disassemble Back cover from the Base by unscrewing 2 screws.



2. Disassemble Drum



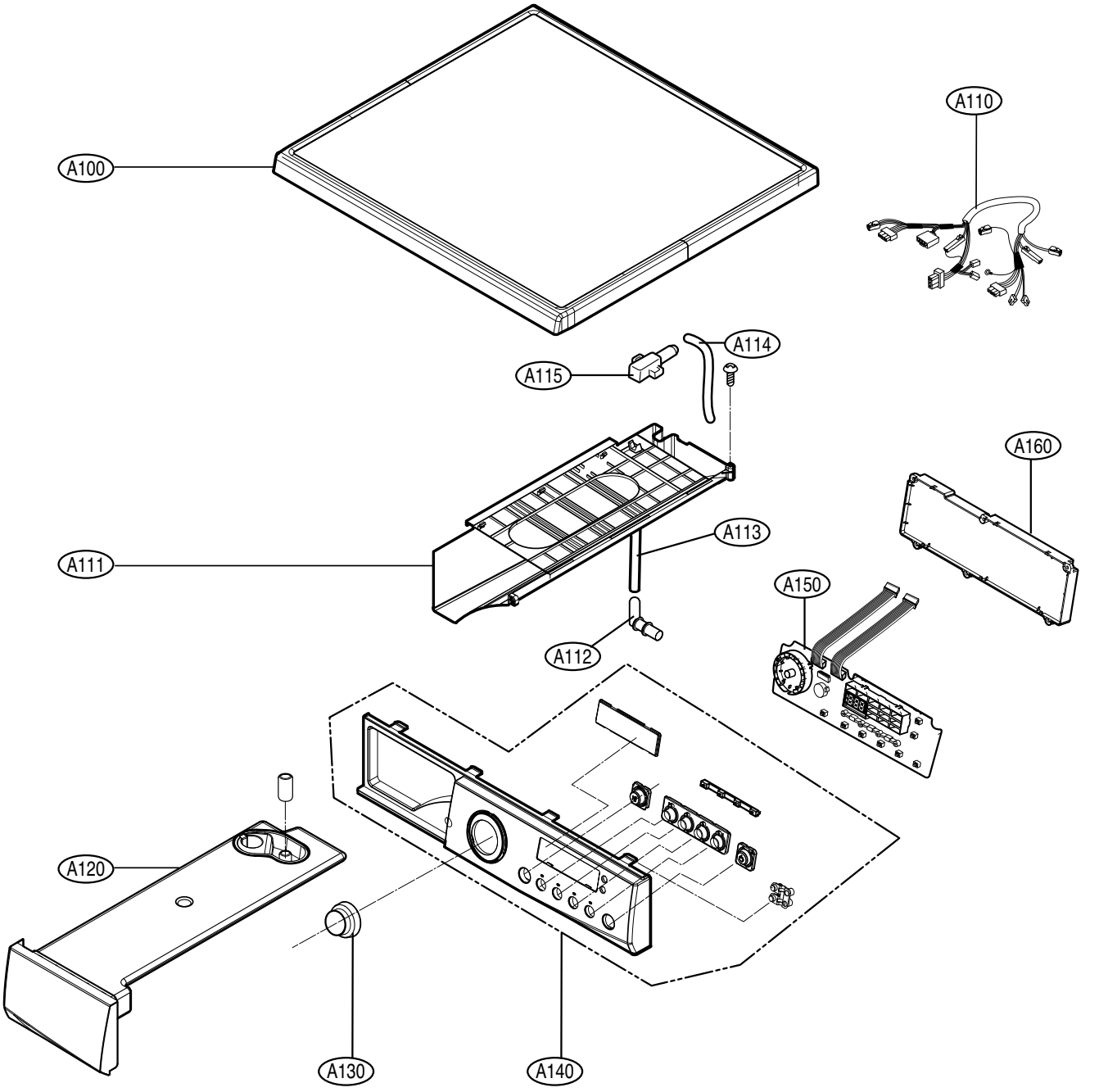
3. Disassemble Drain Pump by unscrewing 2 screws.

13 EXPLODED VIEW

Control Panel & Top plate Assembly

: NON SVC Parts

: SVC Parts

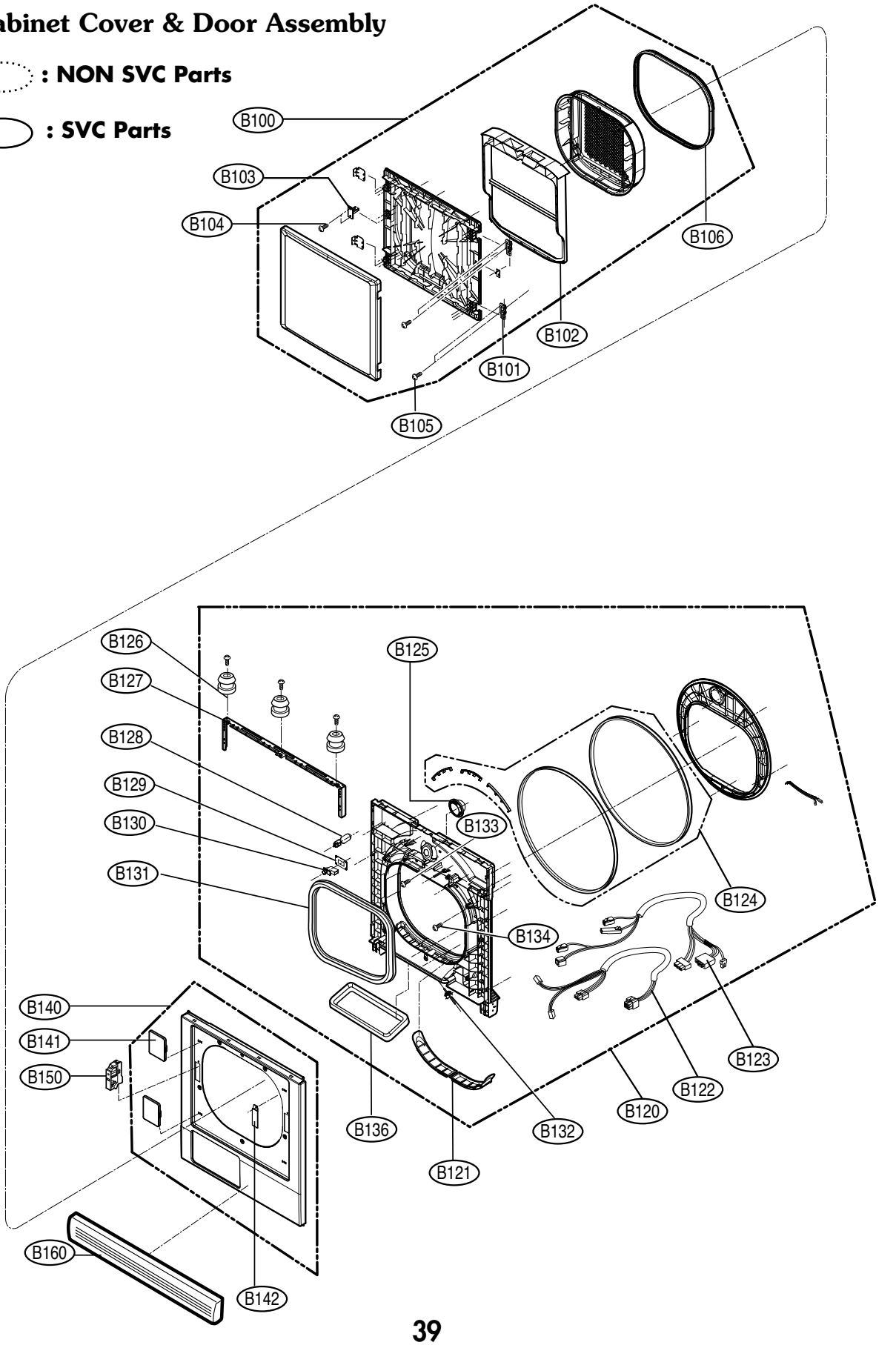


13 EXPLODED VIEW

Cabinet Cover & Door Assembly

: NON SVC Parts

: SVC Parts

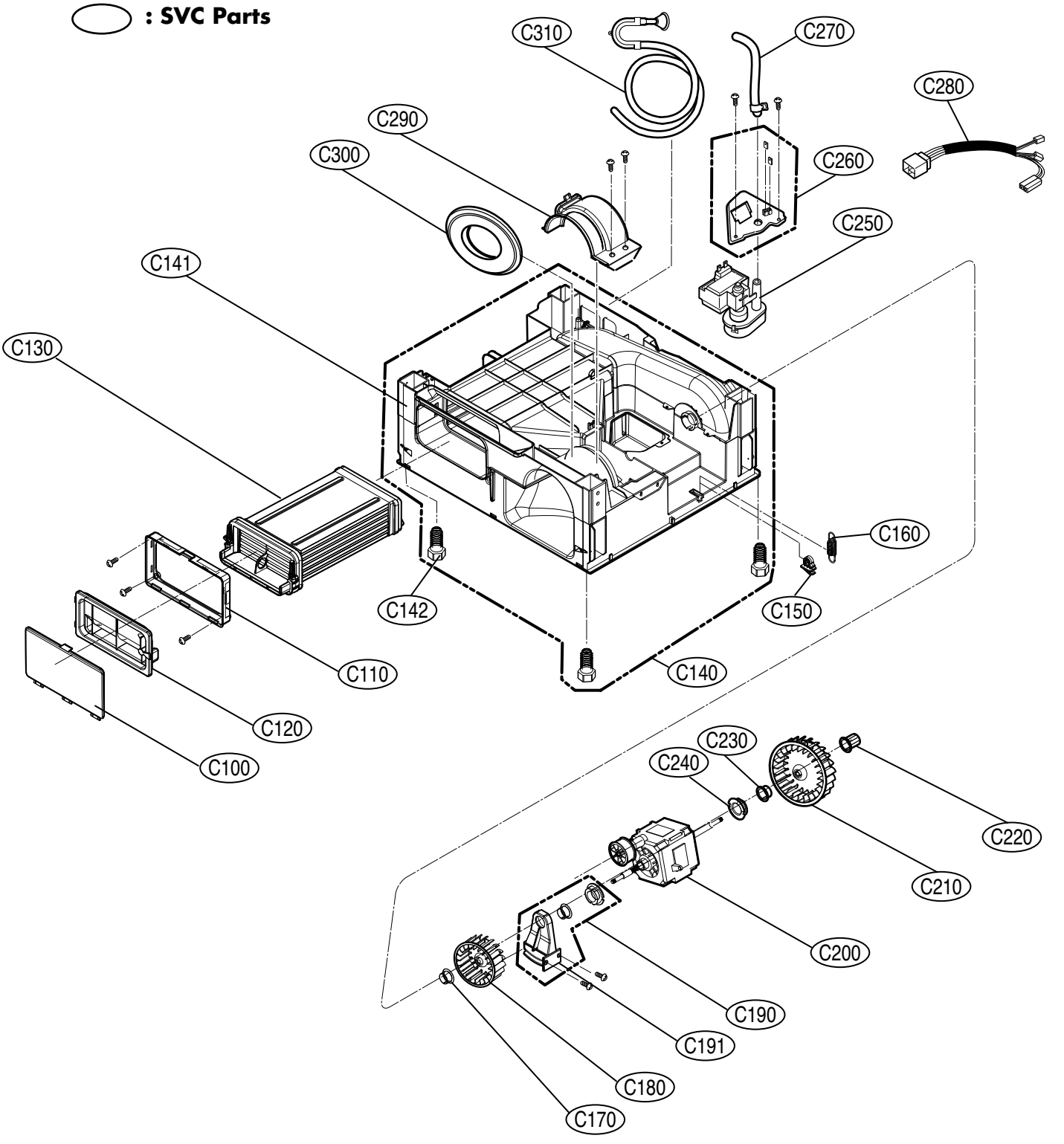


13 EXPLODED VIEW

Base & Motor Assembly

: NON SVC Parts

: SVC Parts

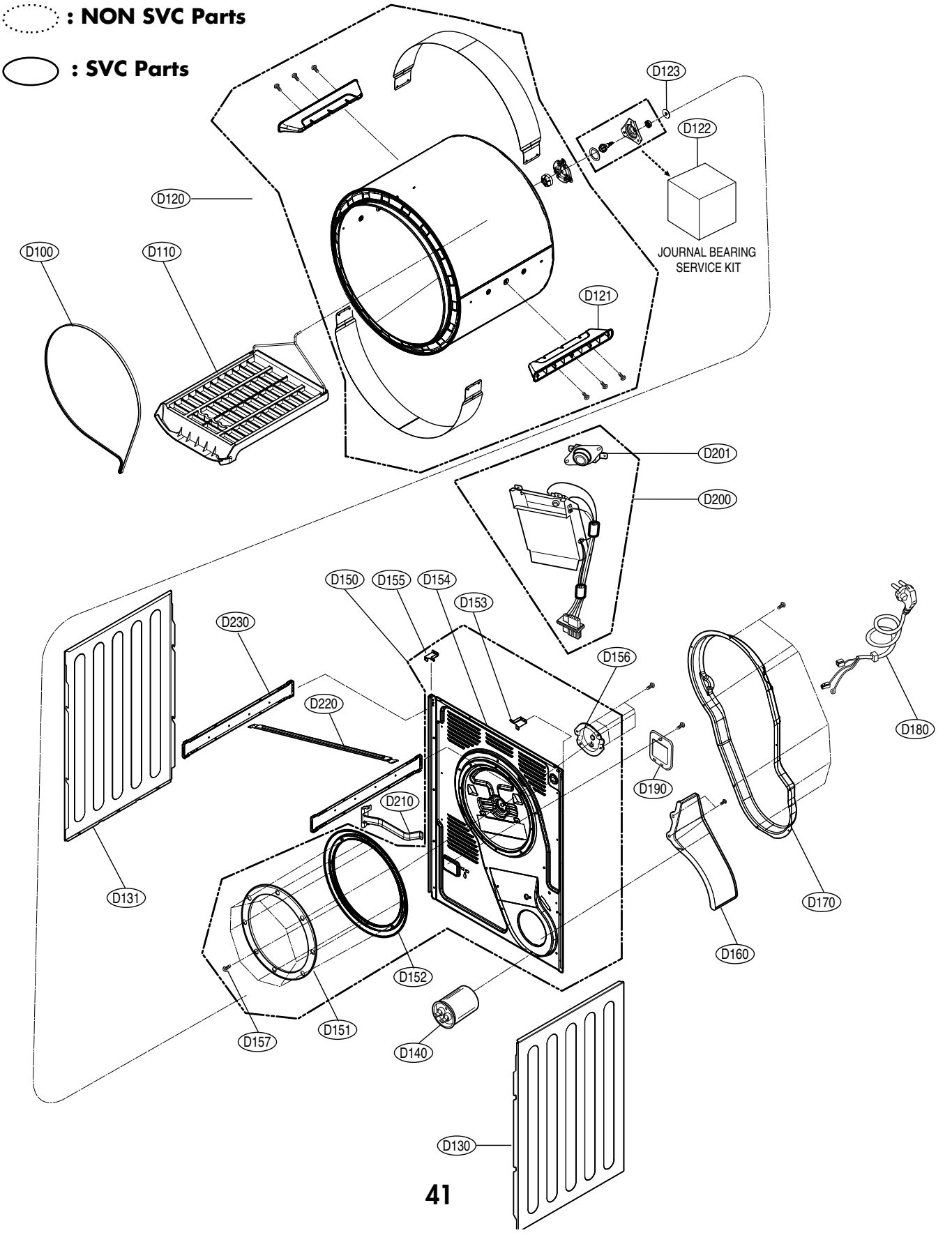


13 EXPLODED VIEW

Back Cover & Drum Assembly

: NON SVC Parts

: SVC Parts



REPLACEMENT PARTS LIST

LOC	DESC	TD-C70040E	QTY	REMARKS
A100	TOP PLATE ASSEMBLY	3301ER1001F	1	
A110	HARNESS,PWB	6877EL1006B	1	
A111	DISPENSER	4924EL1001A	1	
A112	CONNECTOR (MECH),HOSE	4932EL3001A	1	BASE
A113	HOSE,PUMP	5214EL3001C	1	OVER FLOW
A114	HOSE,PUMP	5214EL3001B	1	DRAIN
A115	CONNECTOR (MECH),HOSE	4932EL3002A	1	DISPENSER
A120	PANEL ASSEMBLY,DRAWER	4871EL1001P	1	
A130	KNOB,ROTARY	4940ER3009A	1	
A140	PANEL ASSEMBLY,CONTROL	3721EL1002U	1	PANEL+BUTTONS
A150	PWB(PCB) ASSEMBLY,DISPLAY	6871EC1114A	1	
A160	PWB(PCB) ASSEMBLY,MAIN	6871EC1113K	1	
B100	DOOR ASSEMBLY	3581EL1002A	1	
B101	HINGE ASSEMBLY	4775EL2001A	2	
B102	BODY	3070EL1001A	1	
B103	LATCH,HOOK	4026EL3008A	1	
B104	SCREW TAPPING,COUNTER SUNK HEAD	1TCL0403132	2	LATCH HOOK
B105	SCREW,DRAWING	1SZZEL4001A	2	HINGE
B106	GASKET	4986EL1002A		
B120	COVER ASSEMBLY,FRONT	3551EL1001A	1	
B121	BODY	3070EL2001A	1	
B122	CONNECTOR ASSEMBLY	6631EL2003A	1	THERMISTOR
B123	CONNECTOR ASSEMBLY	6631EL1001B	1	
B124	SERVICE PARTS	383EEL3001A	1	SLIDE+FELT+SEAL
B125	COVER,LAMP	3550EL3005A	1	
B126	HOLDER	4930ER4001A	3	
B127	FRAME,FRONT COVER	3210EL1002A	1	
B128	LAMP ASSEMBLY	6913EL3001B	1	
B129	HOLDER	4930EL3017A	1	
B130	SWITCH ASSEMBLY,SAFETY	6601EL3001B	1	
B131	GASKET	4986EL1003A	1	
B132	THERMISTOR ASSEMBLY	6323EL2001C	1	
B133	SCREW,DRAWING	1SZZEL3002C	2	
B134	SCREW,DRAWING	1SZZEL3002B	3	
B136	GASKET	4986EL2003A	1	
B140	COVER ASSEMBLY,CABINET	3551EL1002A	1	
B141	CAP,HOLE	5006EL3007A	1	
B142	CAP,COVER	5006EL3005A	1	
B150	LATCH ASSEMBLY	4027EL3001A	1	
B160	GRILLE	3530EL1001A	1	
C100	COVER,LOWER	3550EL2006A	1	
C110	CASE	3110EL2001A	1	
C120	COVER ASSEMBLY,SAFETY	3551EL2001A	1	
C130	CONDENSER ASSEMBLY	5403EL1001A	1	
C140	BASE ASSEMBLY,CABINET	3041EL1002A	1	
C141	BASE,CABINET	3040EL1003A	1	
C142	LEG	4778EL3001A	4	
C150	LATCH ASSEMBLY	4027EL3001A	1	
C160	GRILLE	3530EL1001A	1	
C170	NUT,DRAWING	1NZZEL4002A	1	LEFT TURN
C180	BLOWER,IMPELLER	5834EL2002A	1	COOLING

REPLACEMENT PARTS LIST

LOC	DESC	TD-C70040E	QTY	REMARKS
C190	SUPPORTER ASSEMBLY	4981EL1001A	1	
C191	SUPPORTER,MOTOR	4980EL2004A	1	
C200	MOTOR ASSEMBLY,WM	4681EL1003A	1	
C210	BLOWER,IMPELLER	5834EL2001A	1	DRYING
C220	NUT,DRAWING	1NZZEL4002A	3	RIGHT TURN
C230	SLIDE	4276EL3002A	1	
C240	CUSHION	4850EL3002A	1	
C250	PUMP ASSEMBLY,DRAIN	5859EL2001A	1	
C260	SENSOR ASSEMBLY	6501EL3003A	1	
C270	HOSE ASSEMBLY,CONNECTOR	5215EL3001A	1	WITH HOSE CLAMP
C280	CONNECTOR ASSEMBLY	6631EL2001A	1	
C290	COVER ASSEMBLY,BASE	3551EL2002A	1	
C300	GUIDE,AIR	4974EL3004A	1	
C310	ACCESSORY ASSEMBLY	5001EL2001B	1	
D100	BELT,POLY-V	4400EL1001A	1	
D110	RACK ASSEMBLY	3751EL1002B	1	
D120	TUB ASSEMBLY,DRUM	3045EL1003A	1	
D121	LIFTER	4432EL1003A	2	
D122	SERVICE PARTS	383EEL3003A	1	
D130	CABINET	3090EL1001B	1	SPONGE
D131	CABINET	3090EL1001A	1	
D140	CAPACITOR ASSEMBLY	6121EL2001D	1	
D150	COVER ASSEMBLY,BACK	3551EL1003A	1	
D151	HOLDER	4930EL1002A	1	
D152	PACKING ASSEMBLY	3921EL1001A	1	
D153	SUPPORTER,TOP TABLE	4980EL2005A	1	RIGHT
D154	COVER,BACK	3550EL1007A	1	
D155	SUPPORTER,TOP TABLE	4980EL2005B	1	LEFT
D156	SUPPORTER,HOLDER	4980EL4001A	1	
D157	SCREW,DRAWING	1SZZEL3002A	8	
D160	GUIDE,AIR	4974EL3006A	1	
D180	POWER CORD ASSEMBLY	6411ER1001S	1	
D190	CAP,COVER	5006EL3010A	1	
D200	HEATER ASSEMBLY	5301EL1002E	1	
D210	HOLDER	4930EL3020A	1	
D220	FRAME,BODY	3210EL1001A	1	
D230	FRAME,TOP	3210EL1003A	2	